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INSTALLATION RESTORATION PROGRAM STAGE 3 McCLELLAN AIR FORCE BASE

PREPARED BY: Radian Corporation 10395 Old Placerville Road Sacramento, California 95827

**DECEMBER 1988** 

JULY-SEPTEMBER 1988
GROUNDWATER SAMPLING &
ANALYSIS DATA SUMMARY

**FINAL** 



PREPARED FOR:
HEADQUARTERS AFLC/DEV
WRIGHT-PATTERSON AFB, OHIO 45433

United States Air Force
Occupational and Environmental Health Laboratory (USAFOEHL)
Technical Services Division (TS)
Brooks Air Force Base, Texas 78235-5501

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#### DEPARTMENT OF THE AIR FORCE

HEADQUARTERS SACRAMENTO AIR LOGISTICS CENTER (AFLC)
McCLELLAN AIR FORCE BASE, CALIFORNIA 95652-5990

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SUBJECT: Third Quarter 1988 Sampling and Analysis Report

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PAUL G. BRUNNER

Deputy Director

Invironmental Management

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DCN: 88-227-005-03-03

McCLELLAN AFB, CALIFORNIA REMEDIAL INVESTIGATION/FEASIBILITY STUDY GROUNDWATER SAMPLING AND ANALYSIS PROGRAM JULY THROUGH OCTOBER 1988

> DATA SUMMARY FINAL COPY

Text and Plates

HEADQUARTERS AFLC/DEV WRIGHT-PATTERSON AFB, OHIO 45433

DECEMBER 1988

Prepared by:

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#### NOTICE

This data summary has been prepared for the United States Air Force for the purpose of aiding in the implementation of a final remedial action plan under the Air Force Installation Restoration Program (IRP). As the data summary relates to actual or possible releases of potentially hazardous substances, its release prior to an Air Force final decision on remedial action is in the public interest. The limited objectives of this data summary and the ongoing nature of the IRP, along with the evolving knowledge of site conditions and chemical effects of the environment and health, must be considered when evaluating this data summary, since subsequent facts may become known which may make this data summary premature or inaccurate. Acceptance of this data summary in performance of the contract under which it was prepared does not mean that the U.S. Air Force or the Department of Defense adopts the conclusions, recommendations, or other views expressed herein, which are those of the contractor only and do not necessarily reflect the official position of either department.

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#### **PREFACE**

Radian Corporation is the contractor for the Installation Restoration Program (IRP), Stage 3 Remedial Investigation/Feasibility Study (RI/FS) at McClellan Air Force Base (AFB), California. The work is being performed for the USAF Occupational and Environmental Health Laboratory (USAFOEHL) under USAF Contract No. F33615-87-D-4023.

This final copy of the sampling and analysis summarizes and presents the results of the Sampling and Analysis Program, July through September 1988. The data presented include analytical results for groundwater samples collected from monitoring and extraction wells and groundwater level data measured from wells on and in the vicinity of McClellan AFB. These data are used to evaluate current interim remedial measures and to identify the need for future remedial measures.

Key Radian project personnel were:

Nelson H. Lund, P.E. - Contract Program Manager Jack D. Gouge' - Delivery Order Manager Morey Lewis, P.E. - Project Manager Deena A. Stanley - Project Director

Radian acknowledges the cooperation of the McClellan AFB Office of Environmental Management. In particular, Radian acknowledges the assistance of Mr. Mario Ierardi, Mr. Bud Hoda, and Mr. Gerald Robbins.

The work presented herein was accomplished between 1 July 1988 and 17 October 1988. 1Lt. Jerald E. Styles was the Technical Program Manager.

Approved

Nelson H.Lund, P.E. Contract Program Manager

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#### EXECUTIVE SUMMARY

In support of ongoing Remedial Investigation/Feasibility Study (RI/FS) activities at McClellan AFB, California, Radian personnel measure groundwater levels in 134 wells on a monthly basis and collect and analyze groundwater samples from 126 on- and off-base wells (120 monitoring wells and 6 extraction wells) on a quarterly basis. The purpose of these activities is to determine the direction of groundwater flow, to identify the presence of groundwater contaminants, and to identify and evaluate any trends in groundwater flow or concentrations of contaminants within the vicinity of the Area D extraction system that may be developing with respect to time. This and future data summaries will present the sampling and analytical results collected during the sampling period of interest. Evaluations of trends in groundwater flow and concentrations of contaminants for all areas within the study area will be presented once a year in an Informal Technical Report.

Groundwater levels were measured three times during the sampling period of July, August, and September 1988. Groundwater generally flows to the south-southwest in the northeastern portion of the Sacramento area. In the vicinity of McClellan AFB, deviations from this general direction of flow can be identified by the configuration of the contours on the potentiometric surface maps produced from the monthly water-level data. These local deviations from the regional flow pattern are due to operation of extraction wells in Area D, on-base production wells, and off-base water supply wells.

As a result of continuous pumping by the six Area D extraction wells, a cone of depression continues to be observed on potentiometric surface maps for the shallow and middle monitoring zones in the northwest portion of the base. The effectiveness of the Area D extraction system was evaluated based on hydraulic gradient criteria. Water quality data was also reviewed to examine the effect of the extraction system on water quality. The shallow zone monitoring wells located outside the extraction well-field have shown a decrease in contaminant concentrations followed by stable concentrations over

the past several sampling events. Three of the four middle zone monitoring wells examined show a decreasing trend except during this last sampling period. The two deep zone monitoring wells show decreasing contaminant concentrations trends.

Groundwater flow directions in the east-central portion of the base is not as well defined. The local flow of groundwater in this area of the base is influenced by active base production well BW-10. However, based on the limited water-level data, the influence of this well is not readily apparent. Several additional wells have been recommended to be installed in this and other areas of the base as part of the Hydrogeologic Assessment for McClellan AFB. This document is currently under review by the USAF and regulatory agencies.

A cone of depression beneath the southern portion of the base can be recognized on the monthly potentiometric surface maps. The cone of depression evident in the middle monitoring zone potentiometric surface map apparently results from pumping of base production well BW-18. The cone of depression probably extends into the deep monitoring zone; however, due to the absence of deep zone monitoring wells in this area, the areal and vertical extent of the cone of depression beneath the middle monitoring zone cannot be defined.

Groundwater samples were collected and analyzed from 120 monitoring wells and the six Area D extraction wells during July 1988. In addition, water quality samples were collected and analyzed from the six Area D extraction wells in August and September 1988. The analytical results for these samples were evaluated based on established Quality Assurance/Quality Control (QA/QC) procedures. This evaluation ensures that all analytical results that did not meet the applicable acceptable criteria are not reported without qualification. Data acceptability was determined by evaluating matrix and surrogate spike recoveries, field and laboratory blanks and duplicates, and interlaboratory analytical results.

The objectives for accuracy, precision, and completeness were all met, and overall analytical and sampling performance were deemed acceptable.

Based on review of the analytical data, no significant problems in overall quality control were identified. Although there were several occurrences of laboratory and field contamination, these contaminations did not affect the overall quantitation of analytes of interest in the groundwater. Holding times for 11 samples submitted to the subcontract laboratory were exceeded. However, these samples were to be used for evaluating interlaboratory precision and were not used as the primary results. Therefore, no overall adverse qualification or rejection of the data is necessary. Any data outside stated objectives were qualified. Since more than 99 percent of the data have been validated and are unqualified, the completeness objective of having more than 90 percent usable data has therefore been met.

Following the evaluation of the QC procedures, analytical results were compared to state and federal drinking water standards. Forty wells (6 extraction wells and 34 monitoring wells) contained concentrations of volatile organic compounds (primarily purgeable halocarbons) or metals (total dissolved chromium) at concentrations exceeding California DOHS action levels and/or U.S. EPA Primary Maximum Contaminant Levels (PMCLs). The wells exceeding drinking water standards are located on base in Areas A, B, C, and D and Adjacent On-Base Areas and off base in the Northwest and Southwest Areas.

#### New Findings

Analytical results for this period of groundwater sampling and analyses activities are similar to results obtained during the previous sampling period (April through June, 1988). However, there are differences in the number of monitoring wells exceeding drinking water standards and in the number of wells in which contaminants were detected.

During this sampling period, samples from forty wells contained concentrations of compounds that exceeded state or federal drinking water standards. This is compared to 38 wells that contained compounds at concentrations exceeding drinking water standards during the previous sampling period. The two additional wells (MW-53 and MW-55) with samples exceeding drinking water standards are both middle zone monitoring wells located in Area D.

Concentrations of contaminants more than doubled in several monitoring wells that have consistently contained contaminants above drinking standards. TCE concentrations in samples collected from MW-415, MW-55, MW-63 and MW-129 during this sampling event were over 100 percent greater than TCE concentrations detected in the wells during the previous quarter. This is a continuation of increasing TCE concentrations in MW-41s over the past year. Concentrations of TCE in MW-55, MW-63 and MW-129, however, have fluctuated. Also, concentrations of tetrachloroethene and total 1,2-dichloroethene in MW-41s have decreased over 200 percent since the last sampling event in April 1988. A more thorough trend analysis of these four wells and the other monitoring wells will be included in the informal interpretive technical report that will include results up to the end of 1988.

Contaminants were not detected in one deep zone monitoring well in Area D that has had a history of contaminants present in groundwater samples. This deep zone monitoring well, MW-59, has contained contaminants at concentrations exceeding drinking water standards, but these levels have gradually decreased over the past year.

#### 1.0 GROUNDWATER SAMPLING AND ANALYSIS PROGRAM

The purposes of the field sampling are to obtain water-level measurements and to obtain representative groundwater samples for chemical analyses. Water-level measurements were taken prior to sampling in July, and during the first two to three working days of August, and September 1988 to provide data for evaluation of the groundwater flow regime beneath McClellan AFB and adjacent areas. Water quality samples were collected from a total of 126 wells during the first three weeks of July 1988. Locations of wells on and off base are shown on Plate 1. These wells included 120 monitoring wells, and the 6 Area D extraction wells. Of the 126 wells sampled, 85 are located on base and 41 are located off base. Ten of the wells in the McClellan AFB groundwater monitoring network were not sampled. In addition, two non-network wells that were scheduled for sampling during this sampling period were not sampled. The unsampled wells and the rationale for not sampling them are indicated below:

- MW-8, MW-20S, MW-22S, MW-34S, and MW-45S--wells were dry;
- MW-9--well silted up;
- MW-19S and MW-31S--not enough water for sampling;
- MW-142--sampling tube broken; and
- MW-1029/1030/1031--wells covered.

A list of wells sampled and analyzed performed during the Third Quarter 1988 is presented in Table 1-1.

The analytical results from the sampling period of July 1988 are summarized in Tables 1-2 and 1-3. Extraction wells are sampled on a monthly basis using EPA Methods 601 and 602. Contaminant levels in 40 wells exceeded California Department of Health Services (DOHS) Action Levels and/or U.S. EPA Primary Maximum Contaminant Levels. Most of these wells (28 monitoring wells and 6 extraction wells) are located on base in Areas A, B, C, and D, although 6 off-base monitoring wells in the Northwest and Southwest Areas also exceeded



TABLE 1-1. WELLS SAMPLED AND ANALYSES PERFORMED,
GROUNDMATER SAMPLING AND ANALYSIS PROGRAM,
JULY THROUGH SEPTEMBER 1968, McCLELLAN AFB

Well	Date	U.S. EPA Method						
Number a	Sampled	601	602	604	624	625	200.7 b	SW 9010
EW-73	07/01/88				Х			
EW-73	08/03/88	X	x					
EW-73	09/02/88	X	x					
EW-83	07/01/88				x			
EW-83	08/03/88	x	X					
EW-83	09/02/88	X	X					
EW-84	07/01/88				×			
EW-84	09/02/88	X	×					
EW-85	07/01/88				X			
EW-85	08/04/88	X	x					
EW-85	09/02/88	X	x					
EW-86	07/01/88				X			
EW-86	08/03/88	X	X					
EW-86	09/02/88	X	x					
EW-87	07/01/88				X			
EW-87	08/04/88	x	X					
EW-87	09/02/88	X	X					
₩-10	07/22/88	X	x	x			X	
W-11	07/25/88	x	x	x			x	
W-12	07/26/88	X	x	X			x	
NJ-14	07/22/88	×	×	X			X	
W-15	07/22/88	X	x	x				
W-17D	07/21/88	×	x		X			
W-18D	07/18/88	x	x					
W-20D	07/13/88	X	X					
W-21D	07/18/88	x	x				x	
W-21S	07/26/88	×	x		×	x	x	
W-22D	07/14/88	×	X				x	
W-23D	07/21/88	x	x					
W-24D	07/12/88	x	x					
M-270	07/20/88	x	x		x	×		
W-28D	07/21/88	x	x		x	x		
W-29D	07/12/88	x	x				x	
W-33s	07/21/88	x	x		x	X		
W-36S	07/11/88	x	x				x	
W-41S	07/13/88	x	x		x	x		
W-44S	07/20/88	×	X			-	x	
W-49S	07/25/88	X	X				-	X
W-51	07/07/88	×	X		X	x		*
W-52	07/05/88	×	X		•	^		
W-53	07/05/88	X	x		x	X		
W-54	07/11/88	x	x		^	^		

a The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

b Priority pollutant metals analyses also included U.S. EPA Methods 206.2, 245.1 and 270.2.

EW = Extraction Well

MW = Monitoring Well

TABLE 1-1. (continued)

	************	2223222222	:2228888223	**********	1822822223335533553			
Well	Date				.S. EPA Met			
Number a	Sampled	601	602	604	624	625	200.7 Ь	SW 9010
Mv-55	07/11/88	×	X	•••	X	X		
MW-57	07/06/88	x	X					
MV-58	07/07/88	X	x		X	X		
MW-59	07/06/88	×	X					x
MW-60	07/20/88	X	X					
MW-61	07/20/88	x	x		×	X		
MV-62	07/26/88	x	X	X				
MV-63	07/15/88	X	X		X	X		
MW-67	07/15/88	X	x					
MV-68	07/20/88	X	X					
MW-69	07/13/88	X	×			X		
MW-70	07/05/88	x	x					
MW-71	07/20/88	X	X	x				
MW-72	07/21/88	×	x		x	X		
MW-74	07/26/88	X	X	x				
MV-75	07/20/88	X	×	X				
MW-76	07/21/88	X	x	X				
MV-88	07/08/88	×	×					
MW-89	07/08/88	×	×				X	
MW-90	07/14/88	x	x					
M√-91	07/20/88	X	x			X		
MW-92	07/21/88	×	X			X		
MW-100	07/19/88	x	X				X	
MW-101	07/19/88	x	x					
MW-102	07/12/88	x	×				X	
MW-103	07/12/88	×	×					
MW-104	07/08/88	x	x					
MW-105	07/19/88	x	x				×	
MW-106	07/13/88	x	x					X
MW-107	07/12/88	x	x					
MW-108	07/12/88	×	x				×	
MW-109	07/12/88	x	x					
MW-110	07/25/88	×	x					
MW-111	07/12/88	x	X		X	X		
MV-112	07/11/88	x	X					
MV-113	07/11/88	×	X					
MW-114	07/12/88	x	X		X	X	x	
NW-115	07/18/88	X	X				x	x
MW-116	07/06/88	x	X		X	x	x	×
MW-120	07/11/88	X	X		X	X		X
MV-121	07/11/88	X	X				x	
MV-122	07/18/88	X	X					

a The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

b Priority pollutant metals analyses also included U.S. EPA Methods 206.2, 245.1 and 270.2.

EW = Extraction Well

MW = Monitoring Well

TABLE 1-1, (continued)

Well	Date			u	.S. EPA Met	thod		
Number a	Sampled	601	602	604	624	625	200.7 ь	SW 9010
MW-128	07/12/88	X	X	X	X	X		Х
MJ-129	07/12/88	x	x		x	X		X
MV-130	07/12/88	X	x					
NW-131	07/13/88	×	x					
₩-132	07/18/88	X	×		x	X		
W-133	07/11/88	x	x					×
M-134	07/11/88	×	×					X
W-135	07/11/88	X	X					X
W-136	07/14/88	X	×		X	x		X
W-137	07/14/88	x	x					X
₩-138	07/14/88	×	X					X
W-139	07/08/88	x	X					X
W-140	07/07/88	×	x					X
W-141	07/08/88	X	X					X
W-143	07/21/88	x	X		X	x		
₩-1000	07/15/88	×	x					X
₩-1001	^7/22/ <b>88</b>	X	X					X
W-1002	u//19/88	×	x					
W-1003	07/22/88	×	x					X
W-1004	07/22/88	X	X		×	x		X
M-1005	07/19/88	x	×				×	
N-1009	07/26/88	×	x		×	X	×	
W-1010	07/19/88	X	×					
W-1011	07/15/88	x	×					
W-1012	07/26/88	X	×				x	
W-1013	07/15/88	X	X				x	
W-1014	07/19/88	x	x				x	
W-1015	07/15/88	X	x					
W-1016	07/19/88	X	×				×	
₩-1017	07/12/88	×	x					
W-1018	07/23/88	X	x				X	
W-1019	07/11/88	X	×		×			
W-1020	07/15/ <b>88</b>	X	×					X
W-1021	07/19/88	x	×					
W-1022	07/19/88	X	X					
M-1023	07/08/88	x	X					
W-1024	07/08/88	×	X					
W-1025	07/08/88	X	X					
W-1026	07/13/88	x	X					
N-1027	07/13/88	×	X					
W-1028	07/13/88	X	X					

a The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

b Priority pollutant metals analyses also included U.S. EPA Methods 206.2, 245.1 and 270.2.

EW = Extraction Well

MW = Monitoring Well

TABLE 1-1. (continued)

=	***********	************	3222222222	********	**********	********	*******	******	22228222222
	Well	Date			U	.S. EPA Met	:hod		
	Number a	Sampled	601	602	604	624	625	200.7 ь	SW 9010
•	MW-1033	07/13/88	X	X					••••••••
	MW-1034	07/13/88	x	x					x
	MW-1035	07/13/88	x	×					
	MW-1036	07/22/88	x	x		x			
	MW-1037	07/14/88	x	x					
	MW-1038	07/14/88	x	x					
	MW-1039	07/14/88	x	×					
	MM-1040	07/20/88	x	×					
	MW-1041	07/15/88	x	×					
	MW-1042	07/15/88	x	×					
	MW-1043	07/15/88	x	x					

a The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

.

b Priority pollutant metals analyses also included U.S. EPA Methods 206.2, 245.1 and 270.2.

EW = Extraction Well

MW = Monitoring Well

TABLE 1-2. SUPPLARY OF RESULTS FOR U.S. EPA METHOD 601, GROUNDWATER SAMPLING AND ANALYSIS PROCRAM, JULY THROUGH SEPTEMBER 1988, MCCLELLAN AFB

# ON-BASE MONITORING AND EXTRACTION WELLS

	Area A and Adjacent On-Base Areas	Area A and Area B and Area C and Area C and Adjacent On-Base Areas Adjacent On-Base Areas Areas Areas Areas Areas	Area C and Adjacent On-Base Areas	Area D and Adjacent On-Base Areas	Other On-Base Areas	Totals
Total Wells Sampled	8	,	34	28	11	•
Wells - Nothing Detected	м	2	15	٥	10	66
Wells Containing Analytes Below DOBS Action Levels and/or U.S. EPA PMCLs	r.		•	m	1	13
Wells Containing Analytes Above DORS Action Levels and/or U.S. EPA PW:Ls	M4-27D	MV-415,MV-63,MV-120, MV-132	MV-33S, MV-61, MV-75, MV-128, MV-129, MV-131, MV-135, MV-136, MV-137, MV-139, MV-140, MV-141	EW-73, EW-83, EW-84, EW-85, EW-87, MW-10, MW-11, MW-12, MW-14, MW-15, MW-53, MW-54, MW-55, MW-72,		6) 6)

# TABLE 1-2. (continued)

OFF-BASE MONITORING WELLS

	Hortheast Area	Northwest Area	West Area	Southwest Area	Southeast Area	Totals
Total Wells Sampled	2	2 16 7 10 6	7	10	٠	
Wells - Mothing Detected	. 2	10	w	٠	w	59
Wells Containing Analytes	0	8	7	7	0	•
Below DOHS Action Levels and/or U.S. EPA PMCLs						
Wells Containing Analytes Above DOHS Action Levels and/or U.S. EPA PMCLs		MM-74, MM-76, MM-1004, MM-1003		MM-1021, MM-1022		vo



JULY THROUGH SEPTEMBER 1988, MCCLELLAN APB CROUNDWATER SAMPLING AND AMALYSIS PROGRAM, TABLE 1-3. SUPPLARY OF RESULTS FOR OTHER ANALYSES,

ON- AND OFF-BASE MONITORING AND EXTRACTION WELLS

	Volatile		Purgeable	Base/Neutral and	13 Priority	Total and
	Aromatic Compounds	Phenol s	Organic Compounds	Acid Extractable Compounds	Pollutant Metals 200.7,206.2,245.1	Amenable Cyanide
U.S. EPA Method	602	604	624	625	245.1 and 270.2	0106 MS
Total Wells Sampled	126	11	32	26	26	23
Wells - Mothing Detected	120	•	12	22	1	23
Mells Containing Anlytes Below DOHS Action Levels a Or Below U.S. EPA Primary MCLs b	•	м	•	•	5.5	•
Wells Containing Analytes Above DOES Action Levels a Or Above U.S. EPA Primary MCLs b	<b>MV-10</b>		EM-73, EW-83, EM-84, EM-85, EW-86, EW-87, FW-27D, FW-33, FW-15, FW-51, FW-55, FW-61, FW-120, FW-128, FW-120, FW-128, FW-120, FW-128,		NM-44S	

U.S. EPA Methods 602, 604, 624 and 625

b U.S. EPA Methods 200.7, 206.2, 245.1, 270.2 and SW 9010
 c Off-base monitoring well

drinking water standards. During the Second Quarter 1988, 38 wells contained contaminants at concentrations above drinking water standards.

#### 1.1 Results of Field Activities

The procedures used to measure water levels and to collect water samples are described in the draft Quality Assurance Project Plan (Radian, 1988). Field activities include measuring water levels and monitoring three parameters during purging of wells. These parameters, pH, temperature, and conductivity, are used to verify that stagnant water in the well has been removed and fresh formation water will be sampled.

The results of field data collected during the Third Quarter 1988 are discussed in the following subsections.

#### 1.1.1 Groundwater Levels

The results of water-level measurements taken in late June, August, and September 1988 are presented in Table 1-4. These water-level data were used to generate monthly potentiometric surface maps for each of the three monitoring zones defined at McClellan AFB. The three monitoring zones are the shallow monitoring zone (above -55 feet mean sea level [msl]), middle monitoring zone (between -55 to -100 feet msl), and deep monitoring zone (below -100 feet msl). Based on the potentiometric surface maps for all three monitoring zones, there have not been significant changes in flow directions over the three-month period (Plates 2 - 16).

#### 1.1.2 Field Parameters

Results of pH, conductivity, and temperature measurements taken during Third Quarter 1988 are presented in Table 1-5.

TABLE 1-4. MONTHLY GROUNDWATER-LEVEL DATA,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
JULY THROUGH SEPYEMBER 1988, McCLELLAN AFB

Monitoring		Level Elevation (feet above mea	
Number a	06/29/88 - 06/30/88	08/01/88 - 08/03/88	09/01/88 - 09/02/88
hallow Zone Moni			
MW-10	-33.09	-33.43	-34.27
MV-11	-32.38	-33.13	-33.58
MV-12	-32.47	-33.19	-33.62
MV-14	-33.05	-33.60	-34.21
MW-15	-32.64	-33.23	-33.86
MW-16D	-30.07	-31.64	-32.37
MW-18S	-29.08	-29.86	-30.43
MW-21S	-30.88	-31.45	-32.00
MW-31S	-30.23	-30.97	-31.37
MW-33S	-32.30	-33.15	-33.86
MW-36S	-30.37	-31.02	-31.45
MW-41S	-36.52	-37.80	-38.43
MW-44S	-30.62	-31.09	-31.67
MW-49S	-31.54	-32.93	-33.24
MW-60	-30.97	-31.58	-32.03
MW-61	-32.92	-33.76	-34.45
MW-62	-31.83	-31.61	-32.01
MW-67	-30.67	-32.35	-33.05
MW-68	-33.22	-34.82	-35.90
MW-88	-31.60	-32.14	-32.51
MW-89	-32.21	-32.84	-33.38
MW-90	-32.51	-33.14	-33.69
MW-91	-32.14	-32.83	-33.34
MW-92	-31.81	-32.51	-33.01
MW-101	-32.47	-34.94	-35.38
MW-102	-25.99	-27.27	-27.82
MW-106	-29.04	-29.49	-30.06
MW-107	-29.90	-30.36	-30.95
MW-110	-29.48	-29.95	-30.51
MV-111	-30.12	-30.73	-31,28
MU-114	-31.70	-32.31	-32.79
MV-116	-33.38	-34.14	-34.72
MW-120	-34.66	-35.77	-36.38
MW-128	-32.49	-33.42	-34.22
MV-131	-33.10	-34.05	-34.86
MV-139	-40.16	-35.32	
MV-1002	-40, 16	-35.32 -31.74	·36.16
MW-1002	-30.43	-31.74 -31.44	·32.36
MW-1004 MW-1005			-32.11
MW-1009	·30.53 ·28.74	·31.90 ·29.60	-32.57

a The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

NM = Not measured

Table 1-4. (Continued)

Monitoring	Groundwater-	Level Elevation (feet above mean	n sea level)
Well -			
Number a	06/29/88 - 06/30/88	08/01/88 - 08/03/88	09/01/88 - 09/02/88
hallow Zone Moni			
MM-1011	-35.56	-36.56	-37.36
MW-1012	-22.45	-23.17	-23.97
MW-1013	-37.49	-39.03	-40.01
MV-1014	-33.65	-34.82	-35.93
MN-1016	-39.72	-41.88	-42.80
MW-1017	-30.32	-30.98	-31.46
MW-1018	-29.18	-29.79	-30.24
MW-1019	-27.37	-27.86	-28.28
MW-1020	-39.40	-41.38	-42.58
MV-1021	-40.08	-41.92	-42.91
MV-1023	-39.69	-41.00	-41.88
MW-1026	-30.97	-30.9 <del>8</del>	-31.55
MM-1029	им Б	NM b	-29.60
MW-1033	·32.28	-32.95	-33.50
MW-1036	-26.90	-27.41	-27 <b>.8</b> 4
MW-1037	-25.74	-27.12	-28.53
MW-1041	-29.87	-31.06	·31.92
iddle Zone Monii MW-170 MW-180	-30.66 -30.55	-32.30 -31.73	-33.18 -32.38
	=	-31.73 -32.72	·33.25
MW-190	-31.90	-32.72 -33.52	·34.36
MM-20D	-33.58	·33.52 ·32.51	-33.17
MW-21D	-31.72	·32.51 ·47.62	-33.17 -48.14
HW-230	-44.80		
MW-24D	-44.79	-44.00	-45.46
MV-250	-33.95	-34.88	-35.41
MW-27D	-35.31	-37.36	-38.41
MN-280	-31.48	-32.87	-33.82
HW-290	-31.79	-33.53	-34.14
MW-52	-32.02	-33.07	-33.48
MV-53	-32.87	NM C	NM c
MU-54	-33.50	-34.79	-35.38
MW-55	-33.68	-33.90	-34.65
MV-57	-32.67	-33.34	-33.94
MV-69	-38.25	-40.31	-42.06
MN-70	-32.18	-33.06	-33.51
MV-71	-35.12	-37.38	-38.27
MJ-72	-33.23	-33.49	-34.42
MJ-74	-32.55	-33.16	-34.05
MJ-75	-32.29	-33.24	-33.94
MH-76	·32.21	-33.18	-33.78

a The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

b Operation of heavy equipment damaged Christy boxes; unable to open

c Sounding tube blocked

NM = Not measured

Table 1-4. (Continued)

Monitoring Well -		Level Elevation (feet above mean	
Number a	06/29/88 - 06/30/88	08/01/88 - 08/03/88	09/01/88 - 09/02/88
iddle Zone Monit			••••••
MW-100	-35.08	-36.85	-36.60
MW-103	-31.27	-33.09	-33.63
MW-108	-31.07	-31.84	-32.42
MV-113	-30.55	-31.18	-31.74
MW-115	-32.75	-33.49	-34.19
NW-121	-37.58	-39.00	-39.68
NW-129	-32.79	-33.72	-34.74
MW-135	-36.44	·36. <i>7</i> 5	-37.65
NW-1000	-39.27	-41.24	-42.43
NW-1003	-30.49	-31.49	-32,15
NW-1010	-30.63	-32.42	-32.92
NW-1015	·39.66	-41.72	-42.76
MV-1022	-47.00	-49.40	-50.50
MW-1024	-40.06	-41.40	-42.29
MV-1027	-31.16	-32.01	-32.76
MV-1032	-29.78	-30.44	NM b
MW-1034	-32.61	-33.30	-33,86
MW-1038	-40.15	·41. <i>7</i> 5	-44.18
MV-1042	-30.11	-31.32	-31,94
eep Zone Monitor	•		
MW-22D	-34.53	·35.78	-37.28
MU-51	-32.17	-33.12	-33.71
MW-58	-32.06	-33.19	-33.71
MV-59	-31.82	-32.70	-33,22
MV-63	-42.07	-45.48	-44.93
MV-66	-47.66	NH c	-51.48
MV-104	-31.22	-32.82	-33,16
MW-105	-32.03	-33.35	-33.93
MW-109	-31.28	-32.06	-32.66
MV-112	-30.82	·31.56	-32,11
NW-122	-40.35	-42.06	-42.73
MW-130	-34.47	-35.68	-37.90
MV-132	-44.26	-47 <b>.98</b>	-47.15
NW-133	-38.14	-39.94	-41.23
MV-134	-36.37	-37.90	-39.05
MV-136	-36.09	-37.64	-39.27
NW-137	-35.56	-35.84	NM d
MW-138	·36.37	-37.99	-39.35
MW- 140	-35.73	-37.19	NM d
MV-141	-36.68	-38.33	WH d
NW-142	-35.54	-36.94	-38.28

a The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

b Operation of heavy equipment damaged Christy boxes; unable to open

c Access to well blocked

d Sounding tube blocked

NM = Not measured

Table 1-4, (Continued)

************	*********************	*********************	*************************
Monitoring		Level Elevation (feet above mean	•
Well -			
Number a	06/29/88 - 06/30/88	08/01/88 - 08/03/88	09/01/88 - 09/02/88
Deep Zone Monitor	ing Wells:		
HW-143	-34.17	-35.32	-36.88
MW-1001	-30.73	-31.80	-32.43
MV-1025	-43.17	-45.19	-46.07
MW-1028	-31.57	-32.56	-33.26
MW-1035	-33.15	-33.95	-34.52
MN-1039	-40.57	-42.04	-44.71
MW-1040	-38.40	-40.84	-41.07
MW-1043	-30.35	-31.70	-32.05
Extraction Wells:			
EW-83	-35.63	-35.97	-36.21
EW-84	-45.39	-33.91	-45.28
EW-85	-33.45	-35.57	-35.39
EW-86	-37.21	-37.55	-37. <i>6</i> 9
EW-87	-34.60	-35.88	-36.40

a The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

NM = Not measured

TABLE 1-5. RESULTS OF FIELD MEASUREMENTS (pH, COMDUCTIVITY, AND TEMPERATURE), GROUNDMATER SAMPLING AND ANALYSIS PROGRAM, JULY THROUGH SEPTEMBER 1988, MCCLELLAM AFB

Market   part   Count   Target   Market   Target   Target   Market   Target   Target   Market   Target   Target   Market   Target	Adjac	Ar On	Area A and Adjacent On-Base Areas	]	Adjace	Are. int On	Area B and Adjacent On-Base Areas	;	Adjace	Area C and int On-Base	Area C and Adjacent On-Base Areas	] :	Ad jac	Area D and ent On-Base	Area D and Adjacent On-Base Areas	:		Other Dn-Base	Other On-Base Areas	
Mar-120	Well Number	1	Cond.	i o	Well Number	₽.	Cond.	T. C.	Well Number	Bd	1	J. O	Well Number	H.		T C	Well Number	H.	Cond.	j o
1.5   1.5	Shallow	Zone H	oniterin	119	,											;				
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	- PE	7.0	190.0	5 Z	MI-120		260.0	7 6	ST7-112	9	310.0	<b>*</b> * *	1-10 1-1-10 1-1-10		0.0011	2 2	MA-101	0 00	170.0	7 7
Main column	89-M	7.0	200.0	75		:	2	!	MI-36S	9.	760.0	22	MH-12	4.7	280.0	7	MM-102	7.4	270.0	50
Main column									M-44S	7.1	240.0	21	M-14	6.7	400.0	77	MM-106	7.6	180.0	77
Mile									MM-60	6.7	170.0	22	M-15	7.1	230.0	23	HM-116	7.2	310.0	21
New York									MV-61	7.0	190.0	21	M-88	<b>8</b>	160.0	22				
Mile   10   10   10   10   10   10   10   1									MH-62	7.6	290.0	21	<b>164-89</b>	7.8	160.0	22				
Mail									MM-107	7.4	180.0	19	14F-90	<b>9</b>	150.0	20				
National Part   11   11   12   12   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   12   13   14   13   14   13   14   13   14   13   13									M-110	7.6	200.0	77	M-91	89.	220.0	23				
Min									MH-111	8.0	260.0	20	<b>MA-92</b>	89	230.0	21				
Min									H-114	7.2	180.0	20								
Min									MM-128	6.9	590.0	77								
Min-130   6.8   180.0   22   Min-200   7.2   230.0   22   Min-32   180.0   21   Min-170   7.3   220.0   22   Min-230   6.8   180.0   22   Min-230   6.8   180.0   22   Min-230   22   Min-230   22   Min-230   22   Min-230   22   Min-230   23   Min-240   7.4   220.0   24   Min-230   22   Min-240   7.4   220.0   24   Min-230   22   Min-240   7.4   220.0   24   Min-240   7.5   220.0   24   Min-240   7.5   220.0   24   Min-240   7.5   220.0   24   Min-240   7.5   220.0   25   Min-240   7.4   220.0   26   Min-240   7.4   220.0   27   Min-240   7.4   220.0   27   Min-240   7.5   220.0   27   Min									MM-131	7.4	220.0	22								
Mail									MH-139	7.2	660.0	22								
12   18   18   18   18   18   18   18	1		1 1 1 1 1 1		1 - 1 - 1 - 1		*******	1				1				1 1 1 1				
22 NM-230 6.8 180.0 22 NM-200 7.2 290.0 22 NM-55 7.6 180.0 21 NM-17D 7.3 220.0   22 NM-23D 6.8 180.0 22 NM-21D 8 6.8 220.0 23 NM-53 7.7 220.0 19 NM-18D 7.4 250.0   NM-130 7.8 220.0 23 NM-50 7.8 220.0 21 NM-50 7.5 220.0   NM-113 7.8 220.0 20 NM-55 7.7 220.0 21 NM-19D 7.4 220.0   NM-113 7.8 220.0 20 NM-57 7.6 220.0 22 NM-100 8.6 180.0   NM-120 7.3 220.0 21 NM-70 7.6 220.0 22 NM-100 8.6 180.0   NM-120 7.3 220.0 21 NM-70 7.6 220.0 22 NM-100 8.6 180.0   NM-130 7.3 220.0 21 NM-70 7.6 220.0 22 NM-51   NM-130 7.3 220.0 21 NM-51   NM-130 7.3 220.0 22 NM-58 7.7 180.0 22 NM-100 8.2 NM-10	Middle 2	one Mo	nitoring	Wells																
22   NH-23D   6.8   180.0   22   NH-21D   8.6   220.0   23   NH-53   7.7   200.0   21   NH-18D   7.4   250.0     22   NH-121   7.5   210.0   21   NH-75   7.6   220.0   22   NH-54   7.8   220.0   21   NH-24D   7.4   220.0     NH-113   7.8   220.0   20   NH-57   8.1   200.0   22   NH-100   8.6   180.0     NH-113   7.8   220.0   21   NH-70   7.6   210.0   22   NH-100   8.6   180.0     NH-124   7.3   270.0   24   NH-22D   7.6   220.0   24   NH-58   7.7   180.0   25     NH-132   7.3   270.0   23   NH-112   7.9   240.0   21   NH-105   7.8   260.0   22     NH-134   7.6   220.0   22   NH-105   7.8   260.0   22     NH-135   7.3   270.0   23   NH-112   7.9   240.0   21   NH-105   7.8   260.0   22     NH-134   7.6   260.0   22   NH-105   7.8   260.0   22     NH-134   7.6   260.0   22   NH-105   7.8   260.0   22     NH-135   7.3   270.0   23   NH-136   7.2   760.0   22     NH-136   7.2   760.0   22   NH-105   7.8   260.0   22     NH-137   7.0   600.0   22     NH-141   7.2   500.0   23     NH-141   7.2   7.0   7.0     NH-141   7.2   7.0   7.0     NH-141   7.2   7.0   7.0     NH-141   7.2   7.0   7.0     NH-141   7.0   7.0     NH-141   7.0   7.0   7.0     NH-141   7.0   7.0   7.0     NH-141   7.0   7.0   7.0     NH-141   7.0   7.0   7.0     NH-141   7	MM-27D	7.0	420.0	77	MM-23D	<b>8</b> .9	180.0	22	MA-20D	7.2	230.0	22	M-52	7.6	180.0	21	MM-17D	7.3	220.0	21
22   Mi-121   7.5   210.0   21   Mi-75   7.6   220.0   22   Mi-54   7.8   220.0   19   Mi-24D   7.5   220.0   Mi-108   7.8   240.0   20   Mi-75   7.7   220.0   22   Mi-29D   7.4   220.0   Mi-113   7.6   240.0   21   Mi-70   7.6   210.0   22   Mi-103   7.4   180.0   Mi-113   7.6   240.0   21   Mi-70   7.6   210.0   22   Mi-103   7.4   180.0   Mi-122   7.7   240.0   23   Mi-129   7.3   220.0   21   Mi-70   7.6   210.0   22   Mi-103   7.4   180.0   Mi-122   7.7   240.0   23   Mi-120   7.8   220.0   24   Mi-70   7.6   200.0   25   Mi-103   7.4   180.0   Mi-132   7.3   270.0   23   Mi-132   7.3   270.0   24   Mi-132   7.3   270.0   23   Mi-132   7.3   270.0   24   Mi-134   7.4   270.0   24   Mi-134   7.4   270.0   24   Mi-134   7.4   270.0   24   Mi-134   7.4   270.0   27   Mi-134   7.5   270.0   27   Mi-1	69-M	7.2	190.0	22	MH-23D	8.9	180.0	22	MH-21D	8.6	220.0	23	MH-53	7.7	200.0	77	M4-18D	7.4	250.0	23
MM-108   7.8   240.0   19   MM-55   7.7   220.0   21   MM-290   7.4   220.0   MM-115   7.6   240.0   20   MM-106   22   MM-100   8.6   180.0   MM-115   7.6   240.0   21   MM-70   7.6   210.0   22   MM-100   8.6   180.0   MM-129   7.3   210.0   21   MM-70   7.6   230.0   23   MM-103   7.4   180.0   23   MM-103   220.0   21   MM-72   8.7   230.0   23   MM-103   220.0   21   MM-75   220.0   22   MM-132   7.3   270.0   23   MM-112   7.9   240.0   22   MM-75   7.0   200.0   22   MM-132   7.4   270.0   22   MM-134   7.6   250.0   21   MM-135   7.4   270.0   22   MM-134   7.6   250.0   22   MM-135   7.4   280.0   22   MM-135   7.4   280.0   22   MM-134   7.5   280.0   22   MM-144   7.5   280.0   23	MH-71	7.4	220.0	22	MM-121	7.5	210.0	21	MI-75	7.6	220.0	22	<b>757-54</b>	7.8	220.0	19	MM-24D	7.5	220.0	22
MN-113 7.8 220.0 20 M4-57 8.1 200.0 22 M4-100 8.6 180.0     MN-129 7.3 210.0 21 M4-72 8.7 530.0 23     MN-129 7.3 220.0 21 M4-72 8.7 530.0 23     MN-132 7.5 270.0 24 M4-22D 7.6 220.0 22     MN-132 7.3 270.0 23 M4-109 8.2 220.0 22     MN-132 7.3 270.0 23 M4-112 7.9 240.0 19 M4-59 7.0 200.0 25     MN-132 7.3 270.0 23 M4-112 7.9 240.0 19 M4-59 7.0 200.0 25     MN-134 7.6 250.0 22     MN-134 7.6 250.0 22     MN-134 7.7 240.0 22     MN-134 7.7 240.0 23     MN-134 7.7 240.0 22     MN-141 7.7 240.0 23     MN-1									MH-108	7.8	240.0	19	MA-55	7.7	220.0	77	HM-29D	7.4	220.0	22
MN-115   7.6   240.0   21   MN-70   7.6   210.0   22   MN-103   7.4   180.0   MN-124   MN-125   8.3   220.0   21   MN-72   8.7   530.0   23   MN-103   7.4   180.0   MN-122   7.7   240.0   23   MN-120   7.6   220.0   24   MN-51   8.7   250.0   21   MN-122   7.7   240.0   23   MN-112   7.9   240.0   24   MN-59   7.0   200.0   25   MN-132   7.3   270.0   23   MN-130   7.3   300.0   22   MN-104   7.6   260.0   24   MN-134   7.6   250.0   21   MN-104   7.6   260.0   21   MN-134   7.6   250.0   22   MN-104   7.6   260.0   21   MN-134   7.7   260.0   22   MN-134   7.7   260.0   23   MN-13									MW-113	7.8	220.0	70	<b>FE-57</b>	8.1	200.0	22	MM-100	9.0	180.0	50
MM-129   7.3   210.0   21   MM-72   8.7   530.0   MM-135   8.3   220.0   21   MM-72   8.7   530.0   MM-132   7.5   270.0   24   MM-22D   7.6   220.0   24   MM-51   8.7   250.0   MM-132   7.7   240.0   23   MM-130   7.9   240.0   19   MM-59   7.0   200.0   MM-132   7.3   270.0   23   MM-130   7.4   270.0   21   MM-104   7.6   250.0   21   MM-105   7.8   260.0   MM-134   7.6   250.0   21   MM-105   7.8   260.0   MM-134   7.6   250.0   22   MM-105   7.8   260.0   MM-134   7.6   250.0   22   MM-105   7.8   260.0   MM-134   7.0   200.0   22   MM-141   7.2   200.0   23   MM-141   7.2   2									M-115	7.6	240.0	21	MW-70	7.6	210.0	22	MH-103	7.4	180.0	20
Mel_2  Mol_4  Mol_2  Mol_2  Mol_2  Mol_5									MM-129	7.3	210.0	21	Ma-72	8.7	530.0	23				
Melas   Malas   7.5   270.0   24   Malas   7.6   220.0   24   Malas   7.5   270.0   24   Malas   7.5   270.0   23   Malas   7.5   270.0   23   Malas   7.5   240.0   24   Malas   7.7   180.0   22   Malas   7.7   180.0   24   Malas   7.3   270.0   23   Malas   7.3   270.0   24   Malas   7.4   270.0   27   Malas   7.6   260.0   27   27   27   27   27   27   27   2									MW-135	8.3	220.0	21								
MM-63 7.5 270.0 24 MM-12D 7.6 220.0 24 MM-51 8.7 250.0 MM-122 7.7 240.0 23 MM-1109 8.2 220.0 22 MM-59 7.7 180.0 MM-132 7.3 270.0 23 MM-112 7.9 240.0 19 MM-159 7.0 200.0 MM-131 7.3 300.0 22 MM-104 7.6 260.0 MM-134 7.6 250.0 21 MM-104 7.6 260.0 MM-134 7.6 250.0 21 MM-105 7.8 260.0 MM-134 7.6 250.0 21 MM-105 7.8 260.0 MM-137 7.0 600.0 22 MM-105 7.8 260.0 MM-141 7.2 500.0 22 MM-141 7.2 500.0 23 MM-141 7.2 500.0 23	Deep Zon	e Moni	toring We	844	, , , , ,	; ! !	; ; ; ;	) 		1	1	! !	! ! !	! !	· · · · · · · · · · · · · · · · · · ·					
MM-122 7.7 240.0 23 MM-109 8.2 220.0 22 MM-58 7.7 180.0 MM-132 7.3 270.0 23 MM-1112 7.9 240.0 19 MM-59 7.0 200.0 MM-132 7.3 270.0 22 MM-110 7.9 260.0 22 MM-104 7.6 200.0 21 MM-105 7.8 260.0 MM-134 7.6 200.0 21 MM-105 7.8 260.0 MM-137 7.0 600.0 22 MM-105 7.8 260.0 MM-137 7.0 600.0 22 MM-105 MM-134 7.6 200.0 22 MM-141 7.2 500.0 23				Ì	MW-63	7.5	270.0	77	MH-22D	7.6	220.0	24	M-51	8.7	250.0	21				
MM-132 7.3 270.0 23 MM-112 7.9 240.0 19 MM-59 7.0 200.0 MM-130 7.3 300.0 22 MM-104 7.6 260.0 MM-133 7.4 270.0 21 MM-105 7.8 260.0 MM-134 7.6 250.0 21 MM-105 7.8 260.0 MM-134 7.6 250.0 22 MM-1137 7.0 600.0 22 MM-1141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-143 8.7 260.0 23					MN-122	7.7	240.0	23	M-109	8.2	220.0	22	MM-58	7.7	180.0	25				
MM-130 7.3 300.0 22 MM-104 7.6 260.0 MM-133 7.4 270.0 21 MM-105 7.8 260.0 MM-134 7.6 250.0 21 MM-105 7.8 260.0 MM-134 7.6 250.0 22 MM-137 7.0 600.0 22 MM-138 7.9 260.0 20 MM-141 7.2 500.0 21 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 22 MM-141 7.2 500.0 23					MM-132	7.3	270.0	23	M-112	7.9	240.0	19	PE-59	7.0	200.0	22				
MW-133 7.4 270.0 21 MM-105 7.8 260.0 MW-134 7.6 250.0 21 MM-105 7.8 260.0 MW-136 7.2 760.0 22 MW-137 7.0 600.0 22 MW-138 7.9 260.0 20 MW-140 7.4 280.0 21 MW-141 7.2 500.0 22 MW-141 7.2 500.0 22 MW-143 8.7 260.0 23									MM-130	7.3	300.0	22	MM-104	7.6	260.0	77				
MN-134 7.6 250.0 MN-136 7.2 760.0 MN-138 7.2 760.0 MN-148 7.9 260.0 MN-141 7.9 500.0 MN-141 7.2 500.0									MW-133	7.4	270.0	21	MA-105	7.8	260.0	21				
MM-136 7.2 760.0 MM-137 7.0 600.0 MM-138 7.9 260.0 MM-140 7.4 280.0 MM-141 7.2 500.0									M-134	9.7	250.0	21								
MM-137 7.0 600.0 MM-140 2.60.0 MM-141 7.4 280.0 MM-141 7.2 500.0 MM-143 8.7 260.0									MW-136	7.2	760.0	22								
MM-138 7.9 260.0 MM-140 7.4 280.0 MM-141 7.2 500.0 MM-143 8.7 260.0									MM-137	7.0	0.009	75								
MM-140 7.4 280.0 MM-141 7.2 500.0 MM-143 8.7 260.0									MM-138	7.9	260.0	20								
MM-141 7.2 500.0 MM-143 8.7 260.0									MH-140	7.4	280.0	21								
MM-143 8.7 260.0									MW-141	7.2	500.0	22								
									MM-143	8.7	260.0	23								

NM = Not measured

Adjacer	Area A and int On-Base	Adjacent On-Base Areas	1	Adjacer	Ares B and ent On-Base	Area B and Adjacent On-Base Areas	3	Adjac	Area sent 0	Area C and Adjacent On-Base Areas	:	Adjac	Area ent Or	Area D and Adjacent On-Base Areas	2022		Other On-Base	Other On-Base Areas	
Well Number	<b>15</b>	Cond. (umbos)	T. C	Well Number	E.	Cond. (umhos)	<b>6</b> 0	Well Number	퓚	Cond. (umhos)	i o	Well Number	E.	Cond. (umhos)	i o	Well Number	푎	Cond. (umbos)	j o
Miraction Wells Screened in more than one monitoring	Tell In mo	l re than	one mon		zone)	; ! ! ! !		! ! ! !	! !	 							; 	)   	• • • •
												July:							
												EW-73	6.9	680.0	21				
												EW-83	6.9	220.0	12				
												EH-84	7.1	600.0	24				
												EW-85	7.3	250.0	<b>5</b>				
												EW-86	7.5	210.0	54				
												EW-87	7.5	200.0	23				
												August :							
												EW-73	6.7	0.009					
												EW-83	7.1	220.0	21				
												EW-85	7.0	240.0					
												EW-86	7.1	220.0	21				
												EW-87	6.5	210.0	77				
												September:	: .						
												EW-73	6.9						
												EW-83	7.5	210.0	20				
												EW-84	7.0						
												EW-85	7.5						
												EW-86	7.3						
												EW-87	7.4						

TABLE 1-5. (Continued)

Sout	Southeast Area	101		South	Southwest Area			West Area	Area		3	rthe	Horthwest Area	!	¥	orthea	Northeast Area	
Well Cond. Temp. Number pH (umbos) C	8 9	nd. Temp. hos) °C	Well Number		Cond.	g o	Well Number	<b>2</b>	Cond. T	ė P	Well Number	<b>27</b>	Cond. Ten pR (unhos)	ė o	Well Number	띴	Cond. (umhos)	မှု မှ
Shallow Zone Monitoring Wells	Monit	pring Wel	1.8	!	1 1 1 1 1 1	1	: : : : : :											
HH-1013 7	.3 270	.0 22	ME-1011			21	MW-1017		310.0	20	M-1002		200.0	<b>5</b> 4	MH-1012 7.0 670.0	7.0	670.0	20
MI-1014 7.2 300.0	.2 300	.0 26	MA-101	6 7.1	220.0	77	MW-1018	7.4	290.0	70	M-1004	9.5	240.0	22				
MM-1037 7	.6 360	.0 22	M4-1020			77	M-1033		360.0	70	MM-1005		280.0	23				
			MA-102			21	MW-1036		320.0	22	MA-1009	7.8	220.0	21				
			MW-1023			22					MW-1019	7.4	490.0	20				
											MM-1026		340.0	22				
											MM-1041	7.2	140.0	70				
Middle Zone Monitoring Well	Montto	ring Well		1	· · · · · · · · · · · · · · · · · · ·					! !		! !		 			; ; ;	
MM-28D 7.2 200.0 23	. 2 200	.0 23	MI-1000			20	MW-1032	7.5		22	M-74		210.0	21				
M4-1038 7	.6 260	.0 21		5 7.6	220.0	77	HM-1034	7.6	250.0	77	MM-76	7.6	220.0	22				
			MM-1022			22					MM-1003		220.0	23				
			MW-1024			23					WW-1010		190.0	21				
											MH-1027		180.0	19				
;											MM-1042		130.0	21				
Deep Zone Monitoring Wells	onitori	NE Wells	 	;	! ! ! ! !	,		;	1 1 1 1 1 1									
MM-1039 7	.9 260	.0 19	MH-1025		7.0 210.0	21	MM-1035 7.7 260.0	7.7	260.0	21	MA-1001	80.89	230.0	2 5	M-1040 8.6 180.0	<b>6</b> 9	180.0	77
											MU-1043		150.0	20				

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onductivity Temperature (umbos)	26 2 .63
Temperature C	19 - 26 22 21.63
Conductlvity pH (umhos)	110 - 1100 220 280
F.	Range 6.0 - 9.2 Mode 7.4 Mean 7.54
	Range Mode Mean

#### 1.2 Analytical Results

Samples from monitoring and extraction wells collected during the period of July through September 1988 were analyzed using U.S. EPA methods 601, 602, 604, 624, 624, 200.7, 206.2, 245.1, 270.2, and SW 9010. There were a total of 40 wells with contaminants at concentrations above DOHS Action Levels or U.S. primary maximum contaminant levels, as shown in Table 1-6. There are two additional wells with concentrations of contaminants above drinking water levels as compared to the number of wells from the previous sampling round. The analytical results from wells that have contained contaminants above standard are listed in the appendix. Trichloroethene (TCE) is the most commonly detected contaminant in wells located on and off base. The concentrations of TCE detected in the wells sampled during this sampling period are shown for each monitoring zone in Plates 16, 17, and 18.

#### 1.2.1 Summary of QA/QC Results

The objectives for accuracy, precision, and completeness were all met for sampling and analytical procedures. Overall analytical and sampling performance were deemed acceptable for the data collected during this sampling There were no significant problems in overall quality control as evidenced by the summary of QA/QC procedures presented in this data summary. Although there were several occurrences of laboratory and field contamination, these contaminations did not affect the detection or quantitation of any of the target compounds in the groundwater samples. Table 1-7 summarizes the overall QC data and results, and Table 1-8 summarizes the qualified data. Table 1-9 summarizes the holding times for all samples. Eleven of sixteen samples submitted to Canonie Environmental Services for analysis did exceed their holding times. However, no loss of data occurred since other samples from those same wells were analyzed at the Radian laboratory. The samples submitted to Canonie were for the purpose of evaluating interlaboratory precision and not for groundwater contamination evaluation.

No large-scale rejection or qualification of the data is necessary with the exception of exceeding hold times for the interlaboratory precision

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TABLE 1-6. WELLS CONTAINING ANALYTES AT CONCENTRATIONS EXCEEDING STATE AND FEDERAL DRINKING WATER STANDARDS, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, JULY THROUGH SEPTEMBER 1988, McCLELLAN AFB

			u.s.		Field	Lab			DOHS	U.S. EPA
Well	Date		EPA		Duplicate	Duplicate			Action	Primary
Number	Sampled	Area	n Method	Analyte Detected	Analysis	Analysis	Lab	Concentration		MCL
EW-73	07/01/88	D	624	Vinyl chloride	FDA	LDA	SAC	950	2	1
				1,1-Dichloroethene	FDA	LDA	SAC	7300	6	7
				1,1-Dichloroethane	FDA	LDA	SAC	690	20	NE
				Total 1,2-Dichloroethene	FDA	LDA	SAC	1100	16	NE
				1,1,1-Trichloroethane	FDA	LDA	SAC	880	200	200
				Trichloroethene	FDA	LDA	SAC	1200	5	5
				Vinyl chloride	FDA	LDB	SAC	980	2	1
				1,1-Dichloroethene	FDA	LC8	SAC	7500	6	7
				1,1-Dichloroethane	FDA	LDB	SAC	710	20	NE
				Total 1,2-Dichloroethene	FDA	LDB	SAC	1100	16	NE
				1,1,1-Trichloroethane	FDA	LDB	SAC	870	200	200
				Trichloroethene	FDA	LDB	SAC	1200	5	5
				Vinyl chloride	FDB		SAC	1000	2	1
				1,1-Dichloroethene	FD8		SAC	7700	6	7
				1,1-Dichloroethane	FD <b>B</b>		SAC	720	20	NE
				Total 1,2-Dichloroethene	FD8		SAC	1100	16	NE
				1,1,1-Trichloroethane	FDB		SAC	930	200	200
				Trichloroeth <b>ene</b>	FDB		SAC	1200	5	5
				Toluene	FDB		SAC	280	100	NE
EW-73	08/03/88	D	601	Vinyl chloride			SAC	920P	2	1
				1,1-Dichloroethene			SAC	6300P	6	7
				1,1-Dichloroethane			SAC	1100P	20	NE
				Total 1,2-Dichloroethene			SAC	950P	16	NE
				1,1,1-Trichloroethane			SAC	780P	200	200
				Trichloroethene			SAC	1100P	5	5
EW-73	09/02/88	D	601	Vinyl chloride		LDA	SAC	360P	2	1
				1,1.Dichloroethene		LDA	SAC	4000P	6	7
				1,1-Dichloroethane		LDA	SAC	270P	20	NE
				Total 1,2-Dichloroethene		LDA	SAC	500P	16	NE
				1,1,1-Trichloroethane		LDA	SAC	670P	200	200
				Trichloroethene		LDA	SAC	790P	5	5
				Vinyl chloride		LDB	SAC	300P	2	1
				1,1-Dichloroethene		LDB	SAC	3000P	6	7
				1,1-Dichloroethane		LDL	SAC	220P	20	NE
				Total 1,2-Dichloroethene		LDB	SAC	370P	16	NE

All units are ug/l.

EW = Extraction well

NE = Not established

SAC = Radian Analytical Services, Sacramento

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second pert of lab duplicate analysis

P or PC = Identity previously confirmed

TABLE 1-6. (continued)

U.S.				Field	Lab			DOHS	U.S. EPA	
Well	Date		EPA		Duplicate	Duplicate			Action	Primary
Number	Sampled	Area	Method	Analyte Detected	Analysis	Analysis	Lab	Concentration	Level	MCL
			• • • • • • • •		•••••	• • • • • • • • • • •	••••			
EW-73	09/02/88	D	601	1,1,1-Trichloroethane		LDB	SAC	450P	200	200
			•	Trichloroethene		LDB	SAC	610P	5	5
EW-83	07/01/88	D	624	1,1-Dichloroethene			SAC	680	6	7
· ·				Trichloroethene			SAC	75	5	5
EW-83	EW-83 08/03/88 D	D	601	1,1-Dichloroethene			SAC	690P	6	7
				Trichloroethene			SAC	140P	5	5
				Tetrachloroethene			SAC	5 <b>8</b> P	4	NE
EW-83	EW-83 09/02/88 D 6	601	1,1-Dichloroethene			SAC	570P	6	7	
			,	Trichloroethene			SAC	75P	5	5
		,	Tetrachloroethene			SAC	5.9P	4	NE	
EW-84	EW-84 07/01/88 D 624	624	Vinyl chloride			SAC	380	2	1	
				1,1-Dichloroethene			SAC	1100	6	7
				1,1-Dichloroethane			SAC	180	20	NE
				Total 1,2-Dichloroethene			SAC	250	16	NE
				1,2-Dichloroethane			SAC	110	1	5
			Trichloroethene			SAC	1200	5	5	
EW-84	EW-84 09/02/88 D	D	601	Vinyl chloride			SAC	310P	2	1
				1,1-Dichloroethene			SAC	1200P	6	7
			1,1-Dichloroethane			SAC	310P	20	NE	
			Total 1,2-Dichloroethene			SAC	290P	16	NE	
				1,2-Dichloroethane			SAC	140P	1	5
		Trichloroethene			SAC	1300P	5	5		
EW-85 07/01/88 D 62	624	1,1-Dichloroethene			SAC	2000	6	7		
			Total 1,2-Dichloroethene			SAC	27	16	NE	
				1,1,1-Trichloroethane			SAC	320	200	200
			Trichloroethene			SAC	1800	5	5	
EW-85	08/04/88	D	601	1,1-Dichloroethene			SAC	1200C	6	7
				Total 1,2-Dichloroethene			SAC	23C	16	NE
				1,2-Dichloroethane			SAC	15C	1	5
				Trichloroethene			SAC	920C	5	5
EW-85	09/02/88	D	601	1,1-Dichloroethene			SAC	1100P	6	7
				1,1,1-Trichloroethane			SAC	240P	200	200

All units are ug/l.

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

EW \* Extraction well

NE = Not established

SAC = Radian Analytical Services, Sacramento

# RAPIAN

TABLE 1-6. (continued)

		27277	u.s.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Field	Lab	IIŽĮI	************	DOHS	U.S. EPA
Well	Date	4	EPA	Analysia Bakashad	•	Duplicate	1		Action	Primary
Number	Sampled	Area	Method	Analyte Detected	Anatysis	AUSTAS12		Concentration	fever	MCL
EW-85	09/02/88	D	601	Trichloroethene			SAC	1100P	5	5
EW-86	07/01/88	0	624	1,1-Dichloroethene			SAC	130	6	7
				Trichloroethene			SAC	80	5	5
EW-86	08/03/88	D	601	1,1-Dichloroethene			SAC	140P	6	7
				Trichloroethene			SAC	779	5	5
EW-86	09/02/88	D	601	1,1-Dichloroethene			SAC	120P	6	7
			•	Trichloroethene			SAC	80P	5	5
EW-87	07/01/88	Ð		1,1-Dichloroethene			SAC	120	6	7
			•	Trichloroethene			SAC	48	5	5
EW-87	08/04/88	D		1,1-Dichloroethene			SAC	140P	6	7
			•	Trichloroeth <del>ene</del>			SAC	51P	5	5
EW-87	09/02/88	D		1,1-Dichloroethene			SAC	140P	6	7
			•	frichloroeth <del>ene</del>			SAC	62P	5	5
MW-10	07/22/88	D		Vinyl chloride			SAC	360C	2	1
				1,1-Dichloroethene			SAC	1400C	6	7
				1,1-Dichloroethane			SAC	180C	20	NE
				Total 1,2-Dichloroethene			SAC	460C	16	NE
				1,2-Dichloroethane			SAC	410C	1	5
				Trichloroethene			SAC	2100C	5	5
				1,2-Dichlorobenzene			SAC	210C	130	NE
			602	1,2-Dichlorobenzene			SAC	170C	130	NE
MW-11	07/25/88	D		1,1-Dichloroethene			SAC	20000C	6	7
				1,1,1-Trichloroethane			SAC	2700C	200	200
			•	Trichloroethene			SAC	2900C	5	5
MW-12	07/26/88	D		1,1-Dichloroethene			SAC	22000P	6	7
			•	1,1,1-Trichloroethane			SAC	4500P	200	200
			1	Trichloroethene			SAC	6900P	5	5
			1	retrachloroethene			SAC	610P	4	NE
MW-14	07/22/88	D	601	1,1-Dichloroethene			SAC	13000P	6	7

All units are ug/l.

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

EW \* Extraction well

MW = Monitoring well

NE = Not established

SAC = Radian Analytical Services, Secremento

TABLE 1-6. (continued)

			u.s.	***************************************	Field	Lab			DOHS	U.S. EPA
Well	Date		EPA		•	Duplicate			Action	Primery
Number	Sampled	Area	Method	Analyte Detected	Analysis	Analysis	Lab	Concentration	Level	MCL
MU-14	07/22/88	D	601	1,1,1-Trichloroethane			SAC	5500P	200	200
				Trichloroethene			SAC	11000P	5	5
MV-15	07/22/88	D	601	1,1-Dichloroethene			SAC	800C	6	7
				1,2-Dichloroethane			SAC	5.6C	1	5
				Trichloroethene			SAC	590C	5	5
MW-27D	07/20/88	A	624	Total 1,2-Dichloroethene		LDA	SAC	28	16	NE
				Carbon tetrachloride		LDA	SAC	8.7	5	5
				Trichloroethene		LDA	SAC	77	5	5
				Total 1,2-Dichloroethene		LD8	SAC	29	16	NE
				Carbon tetrachloride		LDB	SAC	8.8	5	5
				Trichloroethene		LDB	SAC	76	5	5
			601	Total 1,2-Dichloroethene	FDA	LDA	SAC	26C	16	NE
				1,2-Dichloroethane	FDA	LDA	SAC	1.7C	1	5
				Carbon tetrachloride	FDA	LDA	SAC	8.8C	5	5
				Trichloroethene	FDA	LDA	SAC	73C	5	5
				Total 1,2-Dichloroethene	FDA	LDB	SAC	30C	16	NE
				1,2-Dichloroethane	FDA	LD8	SAC	2.7C	1	5
				Carbon tetrachloride	FDA	LDB	SAC	10C	5	5
				Trichloroethene	FDA	LDB	SAC	63C	5	5
				Total 1,2-Dichloroethene	FDB		SAC	34P	16	NE
				Carbon tetrachloride	FDB		SAC	11P	5	5
				Trichloroethene	FDB		SAC	91P	5	5
				Trichloroethene			CES	56C	5	5
MW-33S	07/21/88	С	624	Total 1,2-Dichloroethene			SAC	660	16	NE
				Trichloroethene			SAC	35000	5	5
			601	Total 1,2-Dichloroethene	FDA	LDA	SAC	530C	16	NE
				1,2-Dichloroethane	FDA	LDA	SAC	490C	1	5
				Trichloroethene	FDA	LDA	SAC	30000C	5	5
				Total 1,2-Dichloroethene	FDA	LDB	SAC	540C	16	NE
				1,2-Dichloroethane	FDA	LDB	SAC	530C	1	5
				Trichloroethene	FDA	LDB	SAC	32000C	5	5
				1,1-Dichloroethane	FDB		SAC	440C	20	NE
				Total 1,2-Dichloroethene	FDB		SAC	500C	16	NE
				Trichloroethene	FDB		SAC	28000C	5	5
				Methylene chloride			CES	860C	40	NE

All units are ug/l.

MW = Monitoring well

NE = Not established

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

# radian

TABLE 1-6. (continued)

*****	2222332323	322 <del>32</del> 2	.s.zzzzz U.S.	**********************	Field	*********** Lab		***********	DOHS	U.S. EPA
Well	Date		EPA		-	Duplicate			Action	Primary
				d Austria Basassad	•	Analysis	1	Componentian		•
Number	Sampled	Area	metno	d Analyte Detected	Anetysis	Analysis	Land	Concentration	revel	MCL
MW-33\$	07/21/88	С	601	Trichloroethene			CES	38000C	5	5
MW-41\$	07/13/88	В	624	Trichloroethene			SAC	700	5	5
				Tetrachloroethene			SAC	27	4	NE
			601	Total 1,2-Dichloroethene	FDA	LDA	SAC	<b>4ES</b>	16	NE
				Trichloroethene	FDA	LDA	SAC	980P	5	5
				Tetrachloroethene	FDA	LDA	SAC	52P	4	NE
				Total 1,2-Dichloroethene	FDA	LDB	SAC	25P	16	NE
				Trichloroethene	FDA	LD8	SAC	920P	5	5
				Tetrachloroethene	FDA	LD <b>B</b>	SAC	57P	4	NE
				Total 1,2-Dichloroethene	FDB		SAC	23P	16	NE
				Trichloroethene	FDB		SAC	870P	5	5
				Tetrachloroethene	FDB		SAC	42P	4	NE
				Trichloroethene			CES	1100C	5	5
MU-445	07/20/88	С	200.7	Chromium			CES	54	0	50
MW-53	07/05/88	D	601	1,1-Dichloroethene			SAC	12p	6	7
			624	1,1-Dichloroethene			SAC	13	6	7
MV-54	07/11/88	Đ	601	Vinyl chloride			SAC	2.9C	2	1
				1,1-Dichloroethene			SAC	100C	6	7
				1,2-Dichloroethane			SAC	1.0C	1	5
				Trichloroethene			SAC	7.3C	5	5
MW-55	07/11/88	D	601	1,1-Dichloroethene	FDA	LDA	SAC	52p	6	7
				Total 1,2-Dichloroethene	FDA	LDA	SAC	25P	16	NE
				1,2-Dichloroethane	FDA	LDA	SAC	1.0P	1	5
				Trichloroethene	FDA	LDA	SAC	19p	5	5
				1,1-Dichloroethene	FDA	LDB	SAC	49P	6	7
				Total 1,2-Dichloroethene	FDA	LDB	SAC	28p	16	NE
				1,2-Dichloroethane	FDA	LDB	SAC	1.0P	1	5
				Trichloroethene	FDA	LD8	SAC	17P	5	5
				1,1-Dichloroethene	FDB	-	SAC	51P	6	7
				Total 1,2-Dichloroethene	FDB		SAC	27P	16	NE
				Trichloroethene	FDB		SAC	18P	5	5
			624	1,1-Dichloroethene	FDA		SAC	43	6	7
				Total 1,2-Dichloroethene	FDA		SAC	22	16	NE
				***************************************	*******			• • • • • • • • • • • • • • • • • • •		ne.

All units are ug/l.

MW = Monitoring well

NE = Not established

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previous(/ confirmed

TABLE 1-6. (continued)

Well	Date		U.S. EPA		•	Lab Duplicate			DOHS Action	U.S. EPA
Number	Sampled	Area	Method	Analyte Detected	Analysis	Analysis	Lab	Concentration	Level	MCL
MW-55	07/11/88	D	624	Trichloroethene	FDA		SAC	15	5	5
				1,1-Dichloroethene	FDB		SAC	43	6	7
				Total 1,2-Dichloroethene	FDB		SAC	22	16	NE
				Trichloroethene	FDB		SAC	15	5	5
			601	1,1-Dichloroethene			CES	31C	6	7
				Trichloroethene			CES	10C	5	5
MW-61	07/20/88	С	601	Trichloroethene			SAC	7.9P	5	5
			624	Trichloroethene			SAC	6.6	5	5
MW-63	07/15/88	8	601	Total 1,2-Dichloroethene			SAC	46P	16	NE
				Trichloroethene			SAC	91P	5	5
			624	Total 1,2-Dichloroethene			SAC	35	16	NE
				Trichloroethene			SAC	72	5	5
MW-72	07/21/88	D	624	1,1-Dichloroethene			SAC	660	6	7
				1,1-Dichloroethane			SAC	64	20	NE
				Total 1,2-Dichloroethene			SAC	83	16	NE
				1,2-Dichloroethane			SAC	140	1	5
				Trichloroethene			SAC	1100	5	5
			601	1,1-Dichloroethene	FDA	LDA	SAC	760P	6	7
				1,1-Dichloroethane	FDA	LDA	SAC	50P	20	NE
				Total 1,2-Dichloroethene	FDA	LDA	SAC	72P	16	NE
				1,2-Dichloroethane	FDA	LDA	SAC	120P	1	5
				Trichloroethene	FDA	LDA	SAC	630P	5	5
				1,1-Dichloroethene	FDA	LDB	SAC	800P	6	7
				1,1-Dichloroethane	FDA	LDB	SAC	56P	20	NE
				Total 1,2-Dichloroethene	FDA	LD8	SAC	80P	16	NE
				1,2-Dichloroethane	FDA	LDB	SAC	150P	1	5
				Trichloroethene	FDA	LDB	SAC	960P	5	5
				1,1-Dichloroethene	FDB		SAC	790P	6	7
				1,1-Dichloroethane	FDB		SAC	52P	20	NE
				Total 1,2-Dichloroethene	FD <b>B</b>		SAC	73P	16	NE
				1,2-Dichloroethane	FD8		SAC	120P	1	5
				Trichloroethene	FDB		SAC	850P	5	5
				1,1-Dichloroethene			CES	500C	6	7
				1,1-Dichloroethane			CES	65C	20	NE
				1,2-Dichloroethane			CES	120c	1	5

All units are ug/l.

MW = Monitoring well

NE = Not established

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

TABLE 1-6. (continued)

353253	252222225	******	U.S.	***************************************	Field	 Lab	EBREE	*************	DOHS	U.S. EPA
Well	Date		EPA			Duplicate			Action	Primary
Number		Area		Analyte Detected	•	•	Lab	Concentration		MCL
MW-72	07/21/88	D	601	Trichloroeth <del>ene</del>			CES	820C	5	5
MW-74	07/26/88	NW	601	1,1-Dichloroethene			SAC	12P	6	7
MW-75	07/20/88	С	601	Trichloroethene			SAC	26C	5	5
MW-76	07/21/88	NU	601	1,1-Dichloroethene			SAC	4 <b>8</b> C	6	7
MW-91	07/20/88	D	601	Trichloroethene			SAC	6.90	5	5
MW-120	07/11/88	В	601	Trichloroethene	FDA	LDA	SAC	9.1C	5	5
				Trichloroethene	FDA	LDB	SAC	9.80	5	5
				Trichloroethene	FDB		SAC	9.10	5	5
			624	Trichloroethene	FDA		SAC	8.7	5	5
				Trichloroethene	FDB		SAC	8.3	5	5
			601	Trichloroethene			CES	12C	5	5
			624	Trichloroethene			CES	7.6	5	5
MW- 128	07/12/88	С	601	Total 1,2-Dichloroethene	FDA	LDA	SAC	300C	16	NE
				Trichloroethene	FDA	LDA	SAC	30000C	5	5
				Total 1,2-Dichloroethene	FDA	LDB	SAC	300C	16	NE
				Trichloroethene	FDA	LDB	SAC	30000C	5	5
				Total 1,2-Dichloroethene	FD8		SAC	340C	16	NE
				Trichloroethene	FDB		SAC	34000C	5	5
			624	Trichloroethene	FDA	LDA	SAC	28000	5	5
				Trichloroethene	FDA	LDB	SAC	30000	5	5
				Trichloroethene	FD8		SAC	32000	5	5
				Trichloroethene			CES	45000C	5	5
				1,1-Dichloroethene			CES	2400	6	7
				Total 1,2-Dichloroethene			CES	1500	16	NE
				Trichloroethene			CES	980	5	5
MW-129	07/12/88	С	601	Trichloroethene			SAC	220c	5	5
			624	Trichloroethene			SAC	200	5	5
MW-131	07/13/88	С		Total 1,2-Dichloroethene	FDA		SAC	210	16	NE
				1,2-Dichloroethane	FDA		SAC	1.0C	1	5
				Trichloroethene	FDA		SAC	90C	5	5

All units are ug/l.

MW = Monitoring well

NE = Not established

NW = Northwest

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

TABLE 1-6. (continued)

22222	222223222	#22223					22222	2222232222222 2	-	********
			U.S.		Field	Lab			DOHS	U.S. EPA
Well	Date		EPA			Duplicate			Action	Primary
Number	Sampled	Area		Analyte Detected				Concentration	Level	MCL
MW-131	07/13/88	С	601	Total 1,2-Dichloroethene	FD8		SAC	21P	16	NE
				1,2-Dichloroethane	FDB		SAC	1.1P	1	5
				Trichloroethene	FDB		SAC	99P	5	5
			,	Trichloroethene			CES	83C	5	5
MW-132	07/18/88	В	624	Total 1,2-Dichloroethene			SAC	29	16	NE
			,	Trichloroethene			SAC	76	5	5
			601	Total 1,2-Dichloroethene	FDA	LDA	SAC	39P	16	NE
			,	Trichloroethene	FDA	LDA	SAC	93P	5	5
				Total 1,2-Dichloroethene	FDA	LDB	SAC	36P	16	NE
				Trichloroethene	FDA	LDB	SAC	83P	5	5
			,	Total 1,2-Dichloroethene	FDB		SAC	39P	16	NE
			,	Trichloroethene	FDB		SAC	87P	5	5
			•	Trichloroethene			CES	85C	5	5
MV-135	07/11/88	C	601	Trichloroeth <b>ene</b>			SAC	27C	5	5
MW-136	07/14/88	С	601	Trichloroethene			SAC	470C	5	5
			624	Trichloroethene			SAC	430	5	5
MW-137	07/14/88	С	601	Trichloroethene	FDA	LDA	SAC	350C	5	5
				Trichloroethene	FDA	LDB	SAC	310C	5	5
				Trichloroethene	FDB		SAC	320C	5	5
				Trichloroethene			CES	340c	5	5
MW-139	07/08/88	С	601	Total 1,2-Dichloroethene			SAC	24C	16	NE
				Trichloroethene			SAC	83C	5	5
MW-140	07/07/88	С	601	Total 1,2-Dichloroethene			SAC	18P	16	NE
				Trichloroethene			SAC	53P	5	5
MW-141	07/08/88	С	601	Total 1,2-Dichloroethene			SAC	58C	16	NE
				Trichloroethene			SAC	160C	5	5
MW-1004	07/22/88	NU	601	1,1-Dichloroethene			SAC	12C	6	7
			624	1,1-Dichloroethene			SAC	13	6	7
MW-1005	07/19/88	NW	601	1,1-Dichloroethene	FDA	LDA	SAC	32P	6	7

All units are ug/l.

MW = Monitoring well

ME = Not established

NW = Northwest

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

TABLE 1-6. (continued)

222222	========		******	382282223322222222222		********	*****	22222222222222222222222222222222222222	******	
			U.S.		Field	Lab			DOHS	U.S. EPA
₩eli	Date		EPA		Duplicate	Duplicate			Action	Primary
Number	Sampled	Area	Method	Analyte Detected	Analysis	Analysis	Lab	Concentration	Level	MCL
MW-1005	07/19/88	NW	601	1,2-Dichloroethane	FDA	LDA	SAC	1.0P	1	5
				Trichloroethene	FDA	LDA	SAC	9.4P	5	5
				1,1-Dichloroethene	FDA	LDB	SAC	40P	6	7
				Trichloroethene	FDA	LOB	SAC	14P	5	5
				1,1-Dichloroethene	FD8		SAC	33C	6	7
				1,2-Dichloroethane	FD8		SAC	1.0C	1	5
			•	Trichloroethene	FDB		SAC	9.7C	5	5
				1,1-Dichloroethene			CES	32C	6	7
				1,2-Dichloroethane			CES	2.1C	1	5
			•	Trichloroethene			CES	9.1C	5	5
MW-1021	07/19/88	SW	601	Trichloroethene			SAC	180	5	5
MW-1022	07/19/88	SW	601	Trichloroethene	FDA	LDA	SAC	11P	5	5
				Trichloroethene	FDA	LDB	SAC	10P	5	5
				Trichloroethene	FDB		SAC	9.70	5	5
				Trichloroethene			CES	6.1C	5	5

All units are ug/l.

MW = Monitoring well

NW = Northwest

SAC = Radian Analytical Services, Sacramento

CES = Canonie Environmental Services

FDA = First part of field duplicate sample

FDB = Second part of field duplicate sample

LDA = First part of lab duplicate analysis

LDB = Second part of lab duplicate analysis

C = Presence of analyte confirmed by second column

P or PC = Identity previously confirmed

SW = Southwest

TABLE 1-7. SUMMARY OF QUALITY CONTROL RESULTS
GROUNDWATER SAMPLING AND ANALYSIS PLAN,
JULY THROUGH SEPTEMBER, 1988
McCLELIAN AFB

U.S. EPA Method	Number Performed	Compound (Number of Occurrences)	Range of Results (ug/L)
Reagent Blar	nks		
601	30	ND	N/A
602	30	ND	N/A
604	8	No method analytes	N/A
624	11	Acetone (3)	N/A
625	12	Di-n-butyl phthalate (6)	3.1 - 15
		Bis(2-ethylhexyl)phthalate (7)	3.5 - 220
		Di-n-octyl phthalate (1)	2.9
Metals	9	No method analytes	N/A
SW 9010	11	No method analytes	N/A
Trip Blanks			
601	6	1,1,1-Trichloroethane (1)	0.27
602	6	ND	N/A
624	6	No method analytes	N/A
Ambient Blar	ıks		
601	7	No method analytes	N/A
602	7	ND	N/A
624	7	Acetone (3)	10B
Equipment Bl	anks		<del></del>
601	4	1,1-Dichloroethene (1)	0.19
		1,1,1-Trichloroethane (2)	0.23 - 0.68
		Trichloroethene (1)	1.4
602	4	No method analytes	N/A
604	1	No method analytes	N/A
624	4	No method analytes	N/A
Metals	1	No method analytes	N/A
SW 9010	1	No method analytes	N/A

N/A - Not applicable.

ND = Not detected.

B - Compound also detected in reagent blank.

J - Estimate.

Found in reagent blank below the detection limit.

TABLE 1-7. (Continued)

U.S. EPA Method	Number Performed	Compound	Range of Results (RPD %)	Acceptance Criteria (RPD %)	Results Not Meeting Criteria
Duplicate	Samples		<u> </u>		· · · · · · · · · · · · · · · · · ·
601	14	8 compounds	0 - 64	50	1
602	14	Toluene	9.2 <sup>b</sup>	50	0
604	1	No method analytes		50	0
624	7	12 compounds	0 - 13	50	0
625	3	5 compounds	NC, 9 - 11	50	0
Metals	3	4 metals	0 - 77	50	1
SW 9010	3	No method analytes	NC	50	0
Duplicate	Analyses				
601	14	8 compounds	0 - 45	30	2
602	14	No method analytes	NC	30	0
624	3	11 compounds	0 - 8	30	0
625	3	5 compounds	0 - 27	30	0
Metals	3	4 metals	0 - 35	30	2
SW 9010	3	No method analytes	NC	30	0
Split Sam	ole Analyses			· · · · · · · · · · · · · · · · · · ·	
601	14	10 compounds	0 - 90	40	9
602	14	Toluene	NC	40	0
604	1	No method analytes	NC,	40	0
624	3	5 compounds	NC 14 <sup>b</sup>	40	0
625	3	4 compounds	NC	40	0
Metals	3	4 metals	4.9 - 31	40	0
SW 9010	3	No method analytes	NC	40	0

The value displayed represents the upper acceptable limit for duplicate samples, duplicate analyses, and split sample analyses.

NC - Not calculated.

RPD - Relative Percent Difference

b Only one pair with method analysis presented for calculation.

## radian

TABLE 1-7. (Continued)

U.S. EPA Method	Number Performed	Compound	Range of Results (% Recovery)	Acceptance Criteria (% Recovery)	Results Not Meeting Criteria
Matrix S	pikes			-	
601	15	3 compounds	45 - 126	28 - 167	0
602	15	3 compounds	75 - 117	39 - 150	0
624	6	28 compounds	60 - 300	5.6 - 273	2
625	4	56 compounds	28 - 120	3.2 - 262	3
Metals	2	11 compounds	13 - 105	75 - 125	4
SW 9010	1	2 compounds	95	90 - 110	0
<u>Surrogat</u>	e Spikes			· · · · · · · · · · · · · · · · · · ·	
601	201	1-bromo-4-fluorobenzene	69 - 140	40 - 140	0
602	201	1-bromo-4-fluorobenzene	73 - 123	40 - 140	0
604	37	2-fluorophenol	25 - 79	70 - 120	0
624	73	3 compounds	77 - 126	76 - 115	5
625	56	6 compounds	14 - 118	10 - 141	2

b Refer to individual spike compound recoveries, not overall results.

TABLE 1-8. SUMMARY OF QUALIFIED DATA
GROUNDWATER SAMPLING AND ANALYSIS PLAN,
JULY THROUGH SEPTEMBER, 1988
McCLELLAN AFB

Well Number	Method	Analyte(S)	Type of Qualification	Reason
TB-6	624	1,2-Dichloroethane-d <sub>4</sub>	В	High surrogate recovery
MW-10	Metals	Silver	Aª	Low matrix spike recovery
		Zinc	A	Low matrix spike recovery
MW-11	Metals	Arsenic	A <sup>a</sup>	Low matrix spike recovery
		Zinc	A	Low matrix spike recovery
MW-12	Metals	Chromium	PL	High RPD
		Zinc	PL	High RPD
MW-21S	624	Toluene	B <sup>a</sup>	High surrogate recovery
		Bromofluorobenzene	В	High surrogate recovery
	625	2-Fluorophenol	В	Low surrogate recovery

Although the QC check qualifies the listed analyte, the result does not affect the data since that analyte was not detected (ND).

A - Qualified as inaccurate due to matrix spike recoveries outside the limits.

B - Qualified as biased due to surrogate recoveries outside of limits.

PL - Qualified as estimated due to high laboratory variability as measured by laboratory duplicates.

PF - Qualified as estimated due to high field variability as measured by field duplicates.

PI - Qualified as estimated due to high interlaboratory precision as measured by split samples.

RPD - Relative percent difference.

## RAPIAN

TABLE 1-8. (Continued)

Well Number	Method	Analyte(S)	Type of Qualification	Reason
MW-21S (Continu	625 ued)	2,4-Dimethylphenol	Aª	Low matrix spike recovery
		2,4-Dichlorophenol	Aª	Low matrix spike recovery
		2,4,6-Trichlorophenol	Aª	Low matrix spike recovery
MW-23D	Metals	Chromium	PI	High RPD
MW-27D	601/602	1,2-Dichloroethene	PL	High RPD
		1,2-Dichloroethene	PF	High RPD
		Methylene Chloride	PF	Detected in only one part of dupli cate pair
	624	Bromomethane	A <sup>a</sup>	High matrix spike recovery
	625	Phenol	PF	Detected in only one part of dupli cate pair

Although the QC check qualifies the listed analyte, the result does not affect the data since that analyte was not detected (ND).

A - Qualified as inaccurate due to matrix spike recoveries outside the limits.

B - Qualified as biased due to surrogate recoveries outside of limits.

PL = Qualified as estimated due to high laboratory variability as measured by laboratory duplicates.

PF = Qualified as estimated due to high field variability as measured by field duplicates.

PI - Qualified as estimated due to high interlaboratory precision as measured by split samples.

RPD - Relative percent difference.

# RAPIAN

TABLE 1-8. (Continued)

Well Number	Method	Analyte(S)	Type of Qualification	Reason
MW-33S	601/602	1,1-Dichloroethene	PF	Detected in only one part of dupli- cate pair
		1,2-Dichloroethene	PF	Detected in only one part of dupli- cate pair
MW-44S	601/602	1,1-Dichloroethane	PL	Detected in only one part of duplicate pair
		1,1-Dichloroethene	PL	Detected in only one part of duplicate pair
MW-55	601/602	1,1-Dichloroethene	PI	High RPD
		1,1,1-Trichloroethane	PI	High RPD
		Trichloroethene	PI	High RPD
		1,2-Dichloroethane	PI	High RPD
		Tetrachloroethene	PI	High RPD
MW-72	601/602	1,1-Dichloroethene	PI	High RPD

Although the QC check qualifies the listed analyte, the result does not affect the data since that analyte was not detected (ND).

A - Qualified as inaccurate due to matrix spike recoveries outside the limits.

B - Qualified as biased due to surrogate recoveries outside of limits.

PL = Qualified as estimated due to high laboratory variability as measured by laboratory duplicates.

PF = Qualified as estimated due to high field variability as measured by field duplicates.

PI - Qualified as estimated due to high interlaboratory precision as measured by split samples.

RPD - Relative percent difference.

TABLE 1-8. (Continued)

Well Number	Method	Analyte(S)	Type of Qualification	Reason
EW-73	624	Toluene	PI	High RPD
MW-74	624	Toluene	PI	High RPD
MW-76	624	1,1-Dichloroethene	PI	High RPD
		2-Butanone	PI	High RPD
		Trichloroethene	PI	High RPD
MW-128	624	Bromomethane	Aª	High matrix spike recovery
		Trichloroethene	PI	High RPD
MW-130	601/602	Trichloroethene	PI	High RPD
MW-1004	624	1,2-Dichloreothene-d <sub>4</sub>	Bª	High surrogate recovery
MW-1005	601/602	1,2-Dichloroethane	PI	High RPD
		1,1,1-Trichloroethene	PF	Detected in only one part of duplicate pair
		Trichloroethene	PL	High RPD
	Metals	Zinc	PF	High RPD

<sup>&</sup>lt;sup>a</sup> Although the QC check qualifies the listed analyte, the result does not affect the data since that analyte was not detected (ND).

A = Qualified as inaccurate due to matrix spike recoveries outside the limits.

B - Qualified as biased due to surrogate recoveries outside of limits.

PL - Qualified as estimated due to high laboratory variability as measured by laboratory duplicates.

PF = Qualified as estimated due to high field variability as measured by field duplicates.

PI - Qualified as estimated due to high interlaboratory precision as measured by split samples.

RPD - Relative percent difference.

TABLE 1-8. (Continued)

Well Number	Method	Analyte(S)	Type of Qualification	Reason
MW-1012	Metals	Zinc	PF	Detected in only one part of duplicate pair
MW-1022	601/602	Trichloroethene	PI	High RPD
		Toluene	PL	Detected in only one part of dupli- cate pair
		Chlorobenzene	PF	Detected in only one part of duplicate pair
AB-1037	624	1,2-Dichloroethane-d <sub>4</sub>	B <sup>a</sup>	High surrogate recovery
Reagent Blank of 7/26	625	d <sub>5</sub> -Phenol	B <sup>&amp;</sup>	High surrogate recovery

<sup>&</sup>lt;sup>a</sup> Although the QC check qualifies the listed analyte, the result does not affect the data since that analyte was not detected (ND).

A - Qualified as inaccurate due to matrix spike recoveries outside the limits.

B - Qualified as biased due to surrogate recoveries outside of limits.

PL - Qualified as estimated due to high laboratory variability as measured by laboratory duplicates.

PF = Qualified as estimated due to high field variability as measured by field duplicates.

PI - Qualified as estimated due to high interlaboratory precision as measured by split samples.

RPD - Relative percent difference.

TABLE 1-9. REPORT OF HOLDING TIMES, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, JULY THROUGH SEPTEMBER 1988, McCLELLAM AFB

		U.S.EPA METHOD MAXIMUM HOLDING TIME	HOD DING TIME		601 14 DAYS	602 14 DAYS	604 7 DAYS - 40 DAYS	624 14 DAYS	625 7 DAYS - 40 DAYS	200.7 S 6 MONTES	9010 14 DAYS
WELL	DATE SAMPLED	FIELD AMALYSIS	LAB	3	DATE ANALYZED	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED	DATE AKALYZED	DATE DATE EXTRACTED ANALYZED	DATE ED ANALYZED	DATE
EW-73	07/01/88	¥Q.	rDA	SAC	 	! ! ! ! !	; 	07/15/88		, 1 1 1 1 1 1 1 1 1 1	
EW-73	07/01/88	<b>V</b> Q.	<b>101</b>	SAC				07/15/88			
EW-73	07/01/88	<b>708</b>		SAC				07/15/88			
EW-73	08/03/88			SAC	88/80/80	08/08/88					
EW-73	08/03/88		SE.	SAC	08/08/88	08/08/88					
EW-73	08/03/88		MSD	SAC	08/08/88	08/08/88					
EW-73	09/02/88		TDA	SAC	88/90/60	88/90/60					
EW-73	09/02/88		1.DB	SAC	88/90/60	09/06/88					
EW-73	09/02/88		XI.	SAC	88/90/60	88/90/60					
EW-83	07/01/88			SAC				07/15/88			
EW-83	07/01/88		SE SE	SAC				07/15/88			
EW-83	08/03/88			SAC	08/08/88	88/80/80					
EW-83	09/02/88			SAC	88/90/60	88/90/60					
EW-84	07/01/88			SAC				07/15/88			
EV-84	09/02/88			SAC	09/06/88	88/90/60					
EW-85	07/01/88			SAC				07/15/88			
EN-85	08/04/88			SAC	08/10/88	08/10/88					
E4-85	09/02/88			SAC	88/90/60	88/90/60					
EW-86	07/01/88			SAC				07/15/88			
EN-86	08/03/88			SAC	08/08/88	88/80/80					
EW-86	09/02/88			SAC	88/90/60	88/90/60					
EW-87	07/01/88			SAC				07/15/88			
EN-87	08/04/88			SAC	08/10/88	08/10/88					
EW-87	09/02/88			SAC	88/90/60	88/90/60					
MA-10	07/22/88			SAC	07/26/88	07/26/88	07/25/88 -08/01/88			U	_
MM-10	07/22/88		WS.	SAC						O	_
<b>FW-11</b>	07/25/88			SAC	07/26/88	07/26/88	07/27/88 -08/02/88			o	
HW-11	07/25/88		SE.	SAC						•	
MM-12	07/26/88			SAC	07/27/88	07/27/88	07/28/88 -08/02/88				
MW-12	07/26/88		rD <b>A</b>	SAC						v	
MW-12	07/26/88		1.DB	SAC						•	
MW-14	07/22/88			SAC	07/26/88	07/26/88	07/25/88 -08/01/88				
MJ-14	07/22/88		<b>V</b> Q"	SAC						•	U
MV-14	07/22/88		ECT.	SAC						•	
MW-15	07/22/88			SAC	07/26/88	07/26/88	07/25/88 -08/01/88				
40.1.30	00/10/10			•	00/30/20	00/30/20					

a = Date missing - holding time unknown
b = Holding time was exceeded for this method
M = Monitoring Well
LDA = First laboratory duplicate analysis
EW = Extraction Well
FDA = First field duplicate analysis
FDB = Second field duplicate analysis
MSD = Matrix spike duplicate
MSD = Matrix spike duplicate

C = All analysis
MSD = Matrix spike duplicate

B = Second field duplicate

C = All analysis
MSD = Matrix spike duplicate

C = Matrix spike duplicate

TABLE 1-9. (continued)

1.			MAXIMUM BOLDING T	DING TIME		14 DAYS	14 DAYS	7 DAYS - 40 DAYS	14 DAYS	7 DAYS	7 DAYS - 40 DAYS	6 MONTHS	14 DAYS
177   07721/88   120   540   07721/88   081021/88	WELL	DATE SAMPLED	FIELD	LAB	3	DATE	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED	DATE ANALYZED	DATE EXTRACTED	DATE AMALYZED	DATE ANALYZED	DATE
1.00   0/12/168   1.00   5.45   0.00   0/12/168   0/1	¥8-175	07/21/88		VQT	SAC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	08/02/88				
1.00   07/12/188   S.C   07/15/188   07/	HH-17D	07/21/88		103	SAC				08/07/88				
1.00   07/12/188   SLC   07/15/188   07/	MH-17D	07/21/88		KS	SAC				08/07/88				
215 07/18/88 54A 07/17/88 07/1	<b>MI-18D</b>	07/18/88			SAC	07/19/88	07/19/88						
215 07/26/88	MM-20D	07/13/88			SAC	07/14/88	07/14/88						
215 07/26/89	MI-21D	07/18/88			SAC	07/19/88	07/19/88					U	
220 0/1/14/88 SAC 0/14/88 SAC 0/14/88 0/1/8/8 0/1/8/8 0/1/8/88 0/1/8/8 0/1/8/88 0/1/	M-218	07/26/88			SAC	07/27/88	07/27/88		08/03/88	07/28/88	-08/11/88	U	
220 07/12/88 SAC 07/22/88 07/2	MM-21S	07/26/88		MS	SAC					07/28/88	-08/11/88		
22D 07/20/88 54C 07/24/88 07/14/88 07/14/88 07/12/88 07/1	M-22D	07/14/88			SAC	07/18/88	07/18/88					U	
270 07/20/88 CGS 08/12/88 07/12/88 07/29/88 07/29/88 07/29/88 07/21/88 -08/11/88 270 07/20/88 LDA SAC 07/22/88 07/22/88 07/29/29/88 07/29/	164-23D	07/21/88			SAC	07/25/88	07/25/88						
2.7D         07/20/88         CFC         08/12/88b         08/12/88b         07/20/88         07/20/88         07/21/88         08/11/88           2.7D         07/20/88         LDB         SAC         07/22/88         <	M4-24D	07/12/88			SAC	07/14/88	07/14/88						
270 0/120/88	MH-27D	07/20/88			CES	08/12/88b	08/12/88b						
27D         07/20/88         D/20/88         D/21/88         07	MM-27D	07/20/88		TDA	SAC				07/29/88	07/21/88	-08/11/88		
270   07/20/88   PAS   SAC   07/22/88   08/02/88   08	M-27D	07/20/88		I.D.B	SAC				07/29/88	07/21/88	-08/11/88		
270 07/20/88 FPA LDA SAC 07/22/88 07/22	M-27D	07/20/88		MS	SAC	07/22/88	07/22/88		07/29/88				
227 07/20/88 FDB SAC 07/22/88	MM-27D	07/20/88	FDA	rDA	SAC	07/22/88	07/22/88						
27D         07/20/88         5AC         07/25/88         07/25/88         08/02/88         08/02/88         08/02/88         08/02/88         08/02/88         08/02/88         08/01	M-27D	07/20/88	<b>F</b> D <b>A</b>	LDB	SAC	07/22/88	07/22/88						
230 07/21/88 SAC 07/25/88 07/2	MI-27D	07/20/88	FDB		SAC	07/25/88	07/25/88						
290 07/12/88 SAC 07/12/88 07/12/88 07/12/88 07/12/88 CES 08/10/88b 07/22/88 07/22/88 07/22/88 1LDA SAC 07/25/88	MM-28D	07/21/88			SAC	07/25/88	07/25/88		08/05/88	07/25/88	-08/11/88		
235 07/21/88	MM-29D	07/12/88			SAC	07/14/88	07/14/88					U	
335 07/21/88 LDA SAC	MH-33S	07/21/88			CES	08/10/88b	08/10/88b						
7.121/88	MH-33S	07/21/88			SAC				08/01/88				
235 07/21/88 LDB SAC 07/25/88	M-338	07/21/88		rD <b>A</b>	SAC					07/25/88	-08/11/88		
335 07/21/88 PDA LDA SAC 07/25/88 07/25/25/88 07/25/25/88 07/25/25/25/25/25/25/25/25/25/25/25/25/25/	MM-338	07/21/88		10 <b>8</b>	SAC					07/25/88	-08/11/88		
335 07/21/88 FDA LDA SAC 07/25/88 07/25/25/88 07/25/25/88 07/25/25/88 07/25/25/25/25/25/25/25/25/25/25/25/25/25/	E-338	07/21/88		MS	SAC	07/25/88	07/25/88		08/01/88				
135 07/2188 FDA LDB SAC 07/25/88 07/25/25/88 07/25/25/25/25/25/25/25/25/25/25/25/25/25/	33S	07/21/88	*DA	rDA	SAC	07/25/88	07/25/88						
335 07/21/88 FDB 5AC 07/25/88 07/25/88 07/25/88 07/25/88 07/21/88 FDB 5AC 07/25/88 08/02/88b 08/02/88b 08/02/88b 08/02/88b 08/02/88b 08/02/88b 08/02/88b 08/02/88b 08/02/88b 07/11/88 FDA LDA SAC 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/14/8	M-33S	07/21/88	FDA	<b>10</b>	SAC	07/25/88	07/25/88						
136S 07/11/88 CES 08/02/88b 08/02/88b  136S 07/11/88 EDA LDA SAC 07/13/88 07/13/88  136S 07/11/88 FDA LDA SAC 07/13/88 07/13/88  136S 07/11/88 FDA LDA SAC 07/13/88 07/13/88  136S 07/11/88 FDA LDB SAC 07/13/88 07/13/88  136S 07/11/88 FDA LDB SAC 07/14/88 07/14/88  136S 07/11/88 FDA LDB SAC 07/14/88 07/14/88  136S 07/11/88 FDA LDB SAC 07/14/88  136S 07/11/88 FDA LDB SAC 07/14/88  136S 07/11/88 FDA LDB SAC 07/14/88  136S 07/11/88	141-33S	07/21/88	FDB		SAC	07/25/88	07/25/88						
255 07/11/88 MS SAC 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/13/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/13/88 07/14/88 0	M-36S	07/11/88			CES	08/05/88P	08/05/88P					•	
295 07/11/88 PDA LDA SAC 07/13/88 07/13/88 296 07/11/88 FDA LDA SAC 07/13/88 07/13/88 296 07/11/88 FDA LDB SAC 07/13/88 07/14/88 297/13/88 FDB SAC 07/13/88 07/14/88 297/13/88 FDB CES 08/09/88b 08/09/88b 297/13/88 FDB SAC 07/14/88 07/14/88 297/13/88 07/13/88 297/13/88 07/14/88 07/14/88 297/13/88	300	07/11/88		3	SAC		00,000					ט	
365 07/11/88 FDA LUA SAC 07/13/88 07/13/88 365 07/11/88 FDA LDB SAC 07/13/88 07/13/88 415 07/13/88 FDB SAC 07/14/88 07/14/88 415 07/13/88 A415 07/13/88 A51 07/13/88 A52 07/14/88 07/14/88 A53 07/13/88 A54 07/14/88 A55 07/13/88 A56 07/14/88 A57 07/13/88 A57 07/13/88 A57 07/14/88 A57 07/13/88 A57 07/14/88 A57 07/13/88	200	0/11/00	į	Œ.	3 6	07/13/88	07/17/88						
365 07/11/88 FDB SAC 07/14/88 07/14/88 07/14/88 415 07/13/88 625 08/09/88b 08/09/88b 07/14/88 07/14/88 07/13/88 415 07/13/88 FDB SAC 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/19/88 415 07/13/88 MS SAC 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88  = Date missing - holding time unknown b = Bolding time was exceeded for this method All analyses for Method 200.7 were analyzed within one month of the date sampled LDB = Monitoring Well LDB = Second laboratory duplicate analysis CFC Consol faboratory duplicate analysis CFC Consol faboratory duplicate analysis	200	07/11/80	Y OF	<b>V</b> 01.	2 0	07/13/88	07/13/88						
-415 07/13/88	200	0//11/00	<b>F</b> U <b>S</b>	<b>4</b> 07	2 6	07/13/88	07/13/66						
-11.5 Of 11.500 CES OB/O9/880 US/09/880 07/11/88 -41.5 Of 11.500 MS SAC 07/11/88 07/11/88  - Date missing - holding time unknown b = Bolding time was exceeded for this method = All analyses for Method 200.7 were analyzed within one month of the date sampled	200	00/11//0	FUB		2 1	07/14/88	00/00/00						
= 15 O/13/88 MS SAC 07/14/88 07/14/88  = Date missing - holding time unknown b = Bolding time was exceeded for this method = All analyses for Method 200.7 were analyzed within one month of the date sampled = Monitoring Well	217	07/13/00			2 5	08/60/80	08/60/80		07/19/88	07/18/88	-07/26/88		
-41S 07/13/88 SAC 07/14/88  - Date missing - holding time unknown  - All analyses for Method 200.7 were analyzed within on  - Monitoring Well  - First field duplicate analysis  - Second field duplicate analysis		00/67/10			3								
= Date missing - holding time unknown = All analyses for Method 200.7 were analyzed within on = Monitoring Well LDA = First field duplicate analysis	M-41S	07/13/88		Ж	SAC	07/14/88	07/14/88		1	1	1		
= All analyses for Method 200.7 were analyzed within one = Monitoring Well = First field duplicate analysis LDB = Second duplicate analysis	A - Dat	- missim -	· holding ti	me unknown			- Bolding tir	ne was exceeded for th	is method				
= Monitoring Well  - First field duplicate analysis LDB = Second displacements CEC = Second duplicate analysis	•	analyses f	for Method 2	100.7 Were	analyze	ed within on		he date sampled					
= First field duplicate analysis LDB = Second field duplicate analysis		Itoring Wel	=			rDA	- First labor	ratory duplicate analy	sis				
m Second field dust toute essive a		st field du	splicate and	lysis		TDB	- Second lab	oratory duplicate anal	7313				
- second field duplicate analysis	PDB = Sec	and field d	ten it can	- 1 - 1 - 0		000							

TABLE 1-9. (continued)

						TA DAIS	2100 04 2100		/ DATS - 40 DATS			
	DATE SAMPLED	FIELD	LAB	[ <b>V</b> B	DATE	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED	DATE	DATE DATE EXTRACTED ANALYZED		DATE ANALYZED	DATE
	07/13/88	Z.	VQT	SAC	07/14/88	07/14/88						
	07/13/88	AQ.	<b>1</b> 03	SAC	07/14/88	07/14/88						
	07/13/88	FDB		SAC	07/14/88	07/14/88						
	07/20/88			CES							U	
	07/20/88		<b>V</b> QT	SAC	07/22/88	07/22/88						
	07/20/88		LDB	SAC	07/22/88	07/22/88						
Sty-PM	07/20/88		SE.	SAC	07/22/88	07/22/88						
) S+4-MH	07/20/88	PDA	YQ7	SAC							U	
S+4-JE	07/20/88	PDA	LDB	SAC							บ	
S+4-PM	07/20/88	FOR		SAC							U	
) S64-Mi	07/25/88			SAC	07/26/88	07/26/88						
S64-MM	07/25/88		TDA	SAC								88/50/80
	07/25/88		1.DB	SAC								08/02/88
	07/07/88			SAC	07/08/88	07/08/88		07/16/54	07/18/88b-07/26/88	88/9		
M-52 (	07/05/88			SAC	07/06/88	07/06/88						
HH-53	07/05/88			SAC	07/06/88	07/06/88		07/16/8E	07/18/885-07/21/88	11/88		
	07/11/88			SAC	07/12/88	07/12/88						
	07/11/88			CES	08/16/88b	08/16/88b		07/23/88	07/21/88b-07/23/88	3/88		
	07/11/88		MS	SAC	07/12/88	07/12/88						
	07/11/88	PDA		SAC				07/16/88	07/18/88 -07/25/88	:5/88		
	07/11/88	PDA	<b>F</b> D <b>A</b>	SAC	07/12/88	07/12/88						
	07/11/88	PDA	<b>108</b>	SAC	07/12/88	07/12/88						
	07/11/88	FOR		SAC	07/12/88	07/12/88		07/16/88	07/18/88 -07/25/88	25/88		
	07/06/88			SAC	07/07/88	07/07/88						
	07/07/88			SAC	07/08/88	07/08/88		07/16/88	0//18/880-0//20/88	88/0		
	07/06/88			SAC	07/07/88	07/07/88						0,00,00
	07/06/88		<b>LDA</b>	SAC								07/13/88
	07/06/88		LDB	SAC								07/13/88
	07/20/88			SAC	07/22/88	07/22/88						
	07/20/88			SAC	07/22/88	07/22/88		07/28/88	0//21/88 -08/11/88	11/88		
	07/26/88			SAC	07/27/88	07/27/88	07/28/88 -08/02/88		0,10	007.90		
	07/15/88			SAC	07/20/88	07/20/88		07/28/88	07/18/88 -07/25/88	89/53		
May-67	07/15/88			SAC	07/18/88	07/18/88						
	07/20/88			SAC	07/22/88	07/22/88				;		
	07/13/88			SAC	07/14/88	07/14/88			07/18/88 -07/26/88	88/98		
	07/05/88			SAC	07/06/88	07/06/88						
MM-71 (	07/20/88			SAC	07/22/88	07/22/88	07/21/88 -08/01/88					
	i enime	Date missing a holding a sale and	a unknown		4	# Roldine rie	* Holding time was exceeded for this method	1s method				
	nal vees for	All analyses for Method 200 7	10 2 were a	era l en	d efthir on	month of the	sere analweed within one month of the date sampled					
	Monteorine Hell		•		¥U.I	- First labor	IDA m First laboratory duplicate analysis	918				
1	61014 du	Point of the Ameliante and their	•		1 401 1 401	Second lab	Second laboratory duplicate analysis	Vais				
,	A 4 ( ) 5 ( ) 4 4.	state tided depticate minights Special field distinct and mate	1,000		201	- Casonia En	CEC - Canonia Environmental Services					
•	Second Lield of	upricate and	278671		653	- CallOlle Bu	Calculate billy and the Contract of the Contra	4				

TABLE 1-9. (continued)

WELL		MAXIMUM HOLDING	DING TIME		14 DAYS	14 DAYS	7 DAYS - 40 DAYS	14 DAYS	623 7 DAYS - 40 DAYS	6 MONTHS	14 DAYS
,	DATE SAMPLED	FIELD	LAB	Ę <b>Y</b>	DATE	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED	DATE ANALYZED	DATE ANALYZED
27-V2	07/21/88	; ; ; ; ;	1 1 1 1 1 1 1 1 1	CES	08/16/88b	08/16/88b					! ! ! ! !
MI-72	07/21/88		Y.	SAC SAC	88/96/50	07/26/88		00/10/00	88/TT/9n- 90/C7//n		
<b>№</b> -72	07/21/88	PDA	<b>Y</b> 01	SAC	07/25/88	07/25/88					
MW-72	07/21/88	PDA	ron Ton	SAC	07/26/88	07/26/88					
MW-72	07/21/88	FDB	!	SAC	07/25/88	07/25/88					
MM-74	07/26/88			SAC	07/27/88	07/27/88	07/28/88 -08/02/88				
HW-75	07/20/88			SAC	07/22/88	07/22/88	07/21/88 -08/01/88				
MM-76	07/21/88			SAC	07/25/88	07/25/88	07/22/88 -08/01/88				
HW-88	07/08/88			SAC	07/11/88	07/11/88					
M4-89	07/08/88			SAC	07/11/88	07/11/88				U	
MA-90	07/14/88			SAC	07/15/88	07/15/88					
<b>M</b> -91	07/20/88			SAC	07/22/88	07/22/88			07/21/88 -08/11/88	•	
<b>MH-92</b>	07/21/88			SAC	07/25/88	07/25/88			07/25/88 -08/11/88	_	
MA-100	07/19/88			SAC	07/21/88	07/21/88				U	
<b>M</b> -101	07/19/88			SAC	07/21/88	07/21/88					
M-102	07/12/88			SAC	07/14/88	07/14/88				v	
<b>M-103</b>	07/12/88			SAC	07/14/88	07/14/88					
MI-104	07/08/88			SAC	07/11/88	07/11/88					
M-105	07/19/88			SAC	07/21/88	07/21/88				U	
-10°	0//13/88			SAC	07/14/88	07/14/88					0//2//88
100 - Table	07/12/88			) (	07/13/00	07/13/00				•	
100	07/12/88			) (A	00/11/00	00/11/00					
KL-110	00/17//0			<b>3</b> 5	00/17//0	00/14/00					
ME-111	07/12/88			אר ע מי	00/20/00	07/14/88		07/18/88	07/13/88 -07/27/88	_	
M-112	07/11/88			Y C	07/12/88	07/12/88					
MW-113	07/11/88			SAC	07/12/88	07/12/88					
MW-114	07/12/88			SAC	07/13/88	07/13/88		07/18/88	07/13/88 -07/27/88	0	
M-115	07/18/88			SAC	07/19/88	07/19/88					07/27/88
MW-116	07/06/88			SAC	07/07/88	07/07/88		07/16/88	07/18/88b-07/21/88		07/13/88
MW-120	07/11/88			CES	08/02/88b	08/02/88b		07/23/88	07/21/88b-07/23/88	•	•
MW-120	07/11/88		MS	SAC	07/12/88	07/12/88					
MM-120	07/11/88	<b>F</b> D <b>A</b>		SAC				0//16/88	0/118/88 -0/125/88	•	98/47//0
021-MM	07/11/00	<b>V</b> O.	YOT.	SAC	07/12/88	07/12/88					
07T-ML	99/11//0	FUA	907	O.A.C	0//12/88	0//17/86					
MW-120	07/11/88	FDB		SAC	07/12/88	07/12/88		07/16/88	07/18/88 -07/25/88	•	07/14/88
a - Date	missing -	Date missing - holding time unknown	ne unknown		۰	- Holding tia	= Holding time was exceeded for this method	is method			
c - All	inalyses fo	All analyses for Method 200.7 w	30.7 Were a	nalyze	ere analyzed within one	month of the	month of the date sampled				
	Monitoring Well	1			- VOT		First laboratory duplicate analysis	513			
PDA - Pirst	: field du	First field duplicate analysis	lysis		- 807	- Second labo	Second laboratory duplicate analysis	ysis			
FDB = Secon	nd field du	Second field duplicate analysis	alvais		CES .	- Canonie Env	CES = Canonie Environmental Services				
MC - Materia	Martin and La	•	•		. 040	. Dading Anni	Dading Application! Commisses Secrements	o trame.			

1-38

TABLE 1-9. (continued)

March   Marc			U.S.EPA METHOD MAXIMUM HOLDING TI	THOD		601 14 DAYS	602 14 DAYS	604 7 DAYS - 40 DAYS	40 DAYS	624 14 DAYS	625 7 DAYS -	625 7 DAYS - 40 DAYS	200.7 6 MONTES	9010 14 DAYS
12.2   0/11/168   18.5   19.	WELL	DATE	FIELD	LAB	3	DATE ANALYZED	DATE ANALYZED	DATE EXTRACTED	DATE	DATE ANALYZED	DATE EXTRACTED	DATE ANALYZED	DATE ANALYZED	DATE
1,12,10   1,12	M4-121	07/11/88	; ; ; ; ; ;		S. S.	07/12/88	07/12/88			1 1 1 1 1 1 1 1 1	 	; ; ; ; ; ; ;	0	
1-122 07/12/188 PDA	MV-128	07/12/88			S	08/02/88b	08/02/88b	4	•	07/23/88	07/21/88b	-07/23/88		
22	M-128	07/12/88		WS	SAC	07/13/88	07/13/88			07/18/88	07/13/88	-08/10/88		
128 07/12/88 FDA 129 SAC 07/13/88 07/13	M-128	07/12/88	FDA		SAC			07/17/88 -	17/31/88					07/26/88
128 0/12/188 FPA 128 5AC 0/13/188 0/17/	MV-128	07/12/88	FDA	TDA	SAC	07/13/88	07/13/88			07/18/88	07/13/88	-07/27/88		
122 0/1218 FDB 5AC 0/13/86 0/13/88 0/13/188 0/13	M-128	07/12/88	FDA	rD8	SAC	07/13/88	07/13/88			07/18/88	07/13/88	-07/27/88		
1.25   07/12/88   SAC   07/13/88   07/13/8	MM-128	07/12/88	FDB		SAC	07/13/88	07/13/88	07/17/88 -	7/31/88	07/18/88		-08/10/88		07/26/88
130 07/12/88 FRA LDA SAC 07/14/88 07/14/88 07/14/88 100 07/12/88 FRA LDA SAC 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/14/88 07/12/88 FRA LDA SAC 07/14/88 07/12/88 07/1	M-129	07/12/88			SAC	07/13/88	07/13/88			07/18/88		-08/10/88		07/26/88
130 07/12/88 FTA LAS SAC 07/14/88 07/14/88 130 07/12/88 FTA LAS SAC 07/14/88 07/14/88 131 07/12/88 FTA LAS SAC 07/14/88 07/14/88 132 07/12/88 FTA LAS SAC 07/14/88 07/14/88 133 07/12/88 FTA LAS SAC 07/12/88 07/12/88 134 07/12/88 FTA LAS SAC 07/12/88 07/12/88 135 07/12/88 FTA LAS SAC 07/12/88 07/12/88 136 07/12/88 FTA LAS SAC 07/12/88 07/12/88 137 07/14/88 FTA LAS SAC 07/12/88 07/12/88 138 07/14/88 FTA LAS SAC 07/12/88 07/12/88 139 07/14/88 FTA LAS SAC 07/12/88 07/12/88 130 07/14/88 FTA LAS SAC 07/12/88 07/12/88 131 07/14/88 FTA LAS SAC 07/12/88 07/12/88 132 07/14/88 FTA LAS SAC 07/12/88 07/12/88 133 07/14/88 FTA LAS SAC 07/12/88 07/12/88 134 07/14/88 FTA LAS SAC 07/12/88 07/12/88 135 07/14/88 FTA LAS SAC 07/12/88 07/12/88 136 07/14/88 FTA LAS SAC 07/12/88 07/12/88 137 07/14/88 FTA LAS SAC 07/12/88 07/12/88 138 07/14/88 FTA LAS SAC 07/12/88 07/12/88 139 07/14/88 FTA LAS SAC 07/12/88 07/12/88 130 07/14/88 FTA LAS SAC 07/12/88 07/12/88 131 07/14/88 FTA LAS SAC 07/12/88 07/12/88 133 07/14/88 FTA LAS SAC 07/12/88 07/12/88 134 07/14/88 FTA LAS SAC 07/12/88 07/12/88 135 07/14/88 FTA LAS SAC 07/12/88 07/12/88 136 07/14/88 FTA LAS SAC 07/12/88 07/12/88 137 07/14/88 FTA LAS SAC 07/12/88 07/12/88 138 07/14/88 FTA LAS SAC 07/12/88 07/12/88 139 07/14/88 FTA LAS SAC 07/12/88 139 07	130	07/12/88		;	CES	08/02/88b	08/02/88b							
130 07/12/188 FDA LDA SAG 07/14/188 07/14/188 07/14/188 17/14/188 FDA LDA SAG 07/14/188 07/14/188 07/14/188 17/14/188 FDA LDA SAG 07/14/188 07/14/188 07/14/188 17/14/188 FDA SAG 07/14/188 07/15/18	M-130	07/12/88	i	Z.	3	0//14/88	88/47//0							
131 07/12/188 FDA 1DB SAG 07/14/188 07/14/188 07/14/188 17A 1DB SAG 07/14/188 07/14/18	130	07/12/88	<b>V</b>	<b>V</b> OT	SAC	07/14/88	07/14/88							
131	M-130	07/12/88	<b>Y</b> Q.	<b>108</b>	SAC	07/14/88	07/14/88							
131   07/13/188   FDA   SAC   07/15/88   0	130	07/12/88	FDB		SAC	07/14/88	07/14/88							
131 07/13/88 FDA 8 AC 07/13/88	<b>M-131</b>	07/13/88	:		CES	08/12/88b	08/12/885							
131 07/13/88 FDB   SAC 07/15/88 07/15/88   07/15/88	MV-131	07/13/88	<b>Y</b> 0.		S.	07/15/88	07/15/88							
1.32 07/18/88	<b>E</b> -131	07/13/88	FDB		SAC	07/15/88	07/15/88							
1.32 07/18/88 FPA 1.0A 5AC 07/19/88 07/12/88 07/	W-132	07/18/88			CES	08/01/88	08/01/88							
132 07/18/88 FDA LDA SAC 07/19/88 07/19/88 132 07/18/88 FDA LDB SAC 07/19/88 07/19/88 133 07/18/88 FDA LDB SAC 07/19/88 07/12/88 07/12/88 134 07/11/88 FDA LDB SAC 07/12/88 07/12/88 135 07/14/88 FDA SAC 07/12/88 07/12/88 07/12/88 136 07/14/88 FDA SAC 07/12/88 07/12/88 07/13/88 137 07/14/88 FDA SAC 07/13/88 07/13/88 137 07/14/88 FDA LDB SAC 07/13/88 07/13/88 138 07/14/88 FDA LDB SAC 07/13/88 07/13/88 139 07/14/88 FDA LDB SAC 07/13/88 07/13/88 130 07/14/88 FDA LDB SAC 07/13/88 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 07/13/88 132 07/14/88 FDA LDB SAC 07/13/88 07/13/88 133 07/14/88 FDA LDB SAC 07/13/88 07/13/88 134 07/14/88 FDA LDB SAC 07/13/88 07/13/88 135 07/14/88 FDA LDB SAC 07/13/88 136 07/14/88 FDA LDB SAC 07/13/88 137 07/14/88 FDA LDB SAC 07/13/88 138 07/14/88 FDA LDB SAC 07/13/88 139 07/14/88 FDA LDB SAC 07/13/88 130 07/14/88 FDA LDB SAC 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 134 07/14/88 FDA LDB SAC 07/13/88 135 07/14/88 FDA LDB SAC 07/13/88 136 07/14/88 FDA LDB SAC 07/13/88 137 07/14/88 FDA LDB SAC 07/13/88 138 07/14/88 FDA LDB SAC 07/13/88 139 07/14/88 FDA LDB SAC 07/13/88 130 07/14/88 FDA LDB SAC 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 135 07/14/88 FDA LDB SAC 07/13/88 136 07/14/88 FDA LDB SAC 07/13/88 137 07/14/88 FDA LDB SAC 07/13/88 138 07/14/88 FDA LDB SAC 07/13/88 139 07/14/88 FDA LDB SAC 07/13/88 130 07/14/88 FDA LDB SAC 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 135 07/14/88 FDA LDB SAC 07/13/88 136 07/14/88 FDA LDB SAC 07/13/88 137 07/14/88 FDA LDB SAC 07/13/88 138 07/14/88 FDA LDB SAC 07/13/88 139 07/14/88 FDA LDB SAC 07/13/88 130 07/14/88 FDA LDB SAC 07/13/88 131 07/14/88 FDA LDB SAC 07/13/88 132 07/14/88 FDA LDB SAC 07/13/88 133 07/14/88 FDA LDB SAC 07/13/88 134 07/14/84 FDA LDB SAC 07/13/88 135 07/14/84 FDA LDB SAC 07/13/88 138 07/14/84 FDA LDB SAC 07/13/88 139 07/14/84 FDA LDB SAC 07/13/88 130 07/14/84 FDA LDB SAC 07/13/88 131 07/14/84 FDA LDB SAC 07/13/88 132 07/14/84 FDA LDB SAC 07/13/88 133 07/14/84 FDA	M-132	07/18/88		;	SAC					07/28/88	07/19/88	-08/10/88		
132 07/18/88 FDA LDA SAC 07/19/88 07/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/19/88 17/12	W-132	07/18/88		SE :	SAC	07/19/88	07/19/88							
132 07/18/88 FDA LDB SAC 07/19/88 07/19/88 133 07/11/86 FDB SAC 07/19/88 07/19/88 133 07/11/86 FDB SAC 07/12/88 07/13/88	#H-132	07/18/88	LOV.	<b>V</b>	SAC	07/19/88	07/19/88							
132 07/18/88 FOB SAC 07/12/88 07/12/88 07/12/88 07/12/88 133 07/13/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/14/89 1DB SAC 07/12/88 07/15/88 07/14/89 FDA 1DA SAC 07/12/88 07/15/88 07/14/88 FDA 1DA SAC 07/13/88 07/15/88 07/15/88 07/14/88 FDA 1DA SAC 07/13/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 137 07/14/88 FDA 1DA SAC 07/15/88 07/15/88 07/15/88 07/15/88 137 07/14/88 FDB SAC 07/15/88 07/15/88 07/15/88 138 07/15/	M-132	07/18/88	FDA	1.08	SAC	07/19/88	07/19/88							
133	M-132	07/18/88	FD8		SAC	07/19/88	07/19/88							
134 07/11/88 SAC 07/12/88 07/1	#H-133	07/11/88			SAC	07/12/88	07/12/88							07/14/88
135 07/11/88 SAC 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/12/88 07/14/89 11/8 SAC 07/15/8 07/15/89 07/15/89 07/14/89 11/8 SAC 07/15/89 07/15	H-134	07/11/86			SAC	0//12/88	0//12/88							99/47//0
136 07/14/88	M-135	07/11/88			S.	07/12/88	07/12/88							0//14/88
136	M-136	07/14/88			SAC	07/15/88	07/15/88			07/19/88	07/18/88	-07/25/88		907 107 10
137 07/14/89 LDB SAC 08/02/88b 08/02/88b	H-136	07/14/88		¥QT	SAC									07/2//88
137 07/14/88 MS 5AC 07/15/88 07/15/88 137 07/14/88 FDA LDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 137 07/14/88 FDB SAC 07/15/88 07/15/88 139 07/14/88 FDB SAC 07/15/88 07/15/88 139 07/05/88 139 07/05/88 139 07/05/88 139 07/05/88 139 07/05/88 139 07/05/88 130 07/05/88 130 07/05/88 130 07/05/88 130 07/05/88 130 07/05/88 130 07/05/88 131 07/05/88 131 07/05/88 132 07/05/88 133 07/11/88 134 07/11/88 135 07/05/88 135	MM-136	07/14/88		<b>9</b> 07	SAN I									00/07//0
137 07/14/88 FDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 137 07/14/88 FDB SAC 07/15/88 07/15/88 139 07/14/88 SAC 07/11/88 07/11/88 139 07/14/88 SAC 07/11/88 07/11/88 139 07/14/88 139 07/14/88 139 07/14/88 130 07/14/88 130 07/14/88 130 07/14/88 130 07/15/	M-137	07/14/88		;	CES	08/02/88b	08/05/88P							00/00/10
137 07/14/88 FDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDA SAC 07/15/88 07/15/88 137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 138 07/14/88 FDB SAC 07/15/88 07/15/88 138 07/14/88 SAC 07/11/88 07/18/88 139 07/08/88 SAC 07/11/88 07/11/88 139 07/08/88 SAC 07/11/88 07/11/88 139 07/08/88 139 07/08/88 139 07/08/88 139 07/08/88 130 07/08/88 130 07/08/88 130 07/08/88 130 07/08/88 130 07/08/88 130 07/18/88 07/11/88 130 07/18/88	M-13/	0//14/88		2	٠ ا	99/67//0	99/57/70							90/00/10
137 07/14/88	₩-137	07/14/88	YO.	į	SAC									99/97//0
137 07/14/88 FDA LDB SAC 07/15/88 07/15/88 -137 07/14/88 FDB SAC 07/15/88 07/15/88 -138 07/14/88 SAC 07/118/88 07/11/88 -139 07/14/88 SAC 07/11/88 07/11/88	13/	88/41//0	LOA	VOT.	3	00/57//0	07/12/88							
137 07/14/88 FOB SAC 07/13/88 07/13/88  -138 07/14/88 SAC 07/13/88 07/13/88  -139 07/08/88	E-137	07/14/88	LOA.	<b>1</b> 01	SAC	07/15/88	07/15/88							90700750
138 07/14/88 SAC 07/18/88 07/11/88 07/11/88 -139 07/08/88 07/11/88 07/11/88 07/11/88	M-137	07/14/88	FOB		S.	0//15/88	0//15/88							00/57//0
-139 07/08/88  ** Date missing - holding time unknown b = Bolding time was exceeded for this method  ** All analyses for Method 200.7 were analyzed within one month of the date sampled  ** Monitoring Well  ** Monitoring Well  ** Inst field duplicate analysis  ** Second field duplicate analysis  ** Second field duplicate analysis	MM-138	07/14/88			SAC	07/18/88	07/18/88							07/26/88
m Date missing - holding time unknown  Mail analyses for Method 200.7 were analyzed within one  Mail analyses for Method 200.7 were analyzed within one  First field duplicate analysis  Second field duplicate analysis  CES =	HH-139	07/08/88			SAC	07/11/88	07/11/88							07/12/88
All analyses for Method 200.7 were analyzed within one Monitoring Well ➤ First field duplicate analysis  ■ Second field duplicate analysis  ■ Second field duplicate analysis		e missing -	holding t	ine unknown		į	Bolding th	De Vas excee	led for th	s method	• • • • • • • • • • •	 	; ; ; ; ;	
Monitoring Well  ** First field duplicate analysis LDB = Second field duplicate analysis CES =		analyses f	or Method	200.7 were 4	nalyze	d within on		he date samp	pe 1					
* First field duplicate analysis LDB = Second field duplicate analysis CES =		ittoring Wel	1			rDA .	- First labo	ratory dupli-	ate analy:	11.0				
- Second fleld duplicate analysis CES =	×	st field du	plicate am	alysis				oratory dupl	cate analy	1818				
•		and field d	undicate a	ne l'acte				ul ronnant el	2000					

TABLE 1-9. (continued)

	_	U.S.EPA METHOD MAXIMUM HOLDING	THOD LDING TIME		601 14 DAYS	602 14 DAYS	604 7 DAYS - 40 DAYS	DAYS	624 14 DAYS	625 7 DAYS - 40 DAYS		200.7 6 MONTHS	9010 14 DAYS
MELL	DATE SAMPLED	FIELD	TAB LAB	3	DATE ANALYZED	DATE	DATE D. EXTRACTED ANA!	DATE ANALYZED	DATE ANALYZED	DATE DATE EXTRACTED ANALYZED		DATE ANALYZED	DATE AKALYZED
M4-140	07/07/88	 	1 1 1 1 1 1 1 1 1	SAC	07/08/88	07/08/88	1	; ; ; ;	 	1 1 1 1 1 1 1 1 1 1 1 1	 		07/12/88
MH-143	07/21/88			SAC	07/25/88	07/25/88			08/01/88	07/25/88 -08/11/88	/88		
M4-1000	07/15/88			SAC	07/20/88	07/20/88							07/27/88
1001	07/22/88			SAC SAC	07/25/88	07/25/88							00/03/00
MH-1003	07/22/88			SAC	07/26/88	07/26/88							08/02/88
MW-1004	07/22/88			SAC	07/26/88	07/26/88			08/02/88	07/25/88 -08/10/88	88/		08/02/88
MN-1005	07/19/88			CES	07/29/88	07/29/88						v	
MA-1005	07/19/88		MS.	SAC	07/21/88	07/21/88							
MM-1005	07/19/88	FDA		SAC								U	
MH-1005	07/19/88	FDA	LDA.	SAC	07/21/88	07/21/88							
MI-1005	07/19/88	FDA	ro <b>s</b>	SAC	07/21/88	07/21/88						,	
1000	07/25/88	202		ט ע ע	07/21/88	07/21/88			00/00/00	A111/88 -08/11/88	88/	<b>.</b> .	
1000	07/26/88		SM	SAC	20117110	99 / 17 / 10			20/50/00	07/28/88 -08/11/88	88/	)	
M4-1010	07/19/88		!	SAC	07/21/88	07/21/88					<u> </u>		
M-1011	07/15/88			SAC	07/20/88	07/20/88							
M-1012	07/26/88			CES								o	
HH-1012	07/26/88			SAC	07/27/88	07/27/88							
MH-1012	07/26/88	*DA		SAC								U ·	
M-1012	07/26/88	FDB		S. S.								U ·	
MI-1013	07/15/88			SAC	07/20/88	07/20/88						u d	
ME-1014	07/15/88			) (V	07/20/88	07/21/88						د	
1015	07/19/88			SAC S	07/21/88	07/21/88						v	
M-1017	07/12/88			SAC	07/14/88	07/14/88							
M-1018	07/23/88			SAC	07/26/88	07/26/88						O	
MH-1019	07/11/88			SAC	07/12/88	07/12/88			07/16/88				007.007.00
MI-1020	07/15/88			SAC	07/20/88	07/20/88							0//2//88
M-1021	07/19/88			SAC	07/21/88	07/21/88							
M-1022	07/19/88		5	200	07/29/88	07/29/88							
MA-1022	07/19/88	AUA	€ 5	) V	07/21/88	07/21/88							
MI-1022	07/19/88	VO.	TOB	SAC	07/21/88	07/21/88							
M-1022	07/19/88	FOR		SAC	07/21/88	07/21/88							
MH-1023	07/08/88			SAC	07/11/88	07/11/88							
a = Date	= Date missing - holding time unknown	holding time	Ime unknown		٩	- Holding th	≈ Holding time was exceeded for this method	for this	method	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1		! ! ! !
•	All analyses for Method 200.7	or Method :		analyze	were analyzed within one	e month of t	month of the date sampled	_					
•	Monitoring Well		•		VOT.		First laboratory duplicate analysis	e analys	<b>6</b> 1				
	First field duplicate analysis	plicate an	alysis		<b>108</b>	second Lab	Second Laboratory duplicate analysis	te analy:	113				
	Second field duplicate analysi	uplicate a	nalysis		283		Canonie Environmental Services	Vices					
MS - Mati	Matrix spike				SAC	- Radian Ana	Radian Analytical Services, Sacramento	18, Sacra	pento				

TABLE 1-9. (continued)

No.			U.S.EPA METHOD MAXIMUM HOLDING	THOD LDING TIME		601 14 DAYS	602 14 DAYS	604 7 DAYS - 40 DAYS	40 DAYS	624 14 DAYS	625 7 DAYS - 40 DAYS	0 DAYS	200.7 6 MONTHS	9010 14 DAYS
1024   07/00/198   24C   07/11/88   07/11/	WELL	DATE SAMPLED	PIELD	LAB	3	DATE	DATE	DATE EXTRACTED A	DATE	DATE ANALYZED	DATE EXTRACTED AM	DATE ALYZED	DATE ANALYZED	DATE
1.012   0.1713   0.17	MW-1024	01/08/88	; ; ; ; ; ; ; ; ;	1 1 6 1 1 6 1 1 7	SAC	07/11/88	07/11/88	7 1 1 1 1 1 1 1 1 1 1 1	/ 	: : : : : : : :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1 1 1 1 5 4 1 1 1 1	
10.00   0.011/168   St. 0.011/168   0.01	MM-1025	07/13/88			SAC	07/15/88	07/15/88							
+-1.022 0/1/1/88	M-1027	07/13/88			SAC	07/15/88	07/15/88							
+-1.03 07/13/88	M4-1028	07/13/88			SAC	07/15/88	07/15/88							
	M4-1032	07/14/88			SAC	07/15/88	07/15/88							
2.00 07/12/188 SAC 07/14/88 07/14/88 07/12/88 08/02/88 08/02/88 07/12/88 07	MV-1033	07/13/88			SAC	07/14/88	07/14/88							
	MM-1034	07/13/88			SAC	07/14/88	07/14/88							07/26/88
### 1971/188	MI-1035	07/13/88			SAC	07/14/88	07/14/88							
### 1939 07/14/88 SAC 07/18/88 O7/18/88 PAC 07/18/88 PAC	MM-1036	07/22/88			SAC	07/26/88	07/26/88			08/02/88				
1-1039 07/14/88 SAC 07/18/88 07/18/88 07/18/88 07/18/88 07/18/88 SAC 07/18/88 08/01/88 08/01/	MM-1037	07/14/88			SAC	07/18/88	07/18/88							
Accordance   Acc	MW-1038	07/14/88			SAC	07/18/88	07/18/88							
According   Acco	MH-1039	07/14/88			SAC	07/18/88	07/18/88							
4-1041 07/15/88 SAC 07/18/88 07/15/88 07/15/88 SAC 07/15/88 SAC 07/15/88 07/15/88 SAC 07/15/88 SAC 07/15/88 07/15/88 07/15/88 SAC 07/15/88	MA-1040	07/20/88			SAC	07/22/88	07/22/88							
### 1942 07/15/88 55.C 07/18/88 07/15/8	MI-1041	07/15/88			SAC	07/18/88	07/18/88							
2-1 07/12/88 TB SAC 07/18/88 0	MH-1042	07/13/88			SAC	07/18/88	07/18/88							
	MM-1043	07/15/88			SAC	07/18/88	07/18/88							
7-2 07/11/88 TB SAC 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 07/15/88 08/10/18/8	-5 -1	07/07/88	Ę		S.	07/08/88	07/08/88			07/16/88				
2-4 07/12/88 TB SAC 07/15/88 07/15/88 07/15/88 09/10/88  2-5 07/25/88 TB SAC 07/25/88 07/25/88 08/01/88  2-6 07/25/88 TB SAC 07/25/88 07/25/88 08/01/88  2-6 07/25/88 EB SAC 07/25/88 07/25/88 08/01/88  2-10 07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 08/01/88  2-20 07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 07/18/88  2-10 07/25/88 AB SAC 07/25/88 07/25/88 07/25/88 07/25/88  2-10 07/25/88 AB SAC 07/25/88 07/25/88 07/25/88 07/25/88  2-10 07/25/88 AB SAC 07/25/88 07/25/88  2-10 07/25/88 07/25/88 07/25/88  2-10 07/25/88 07/25/88 07/25/88  2-10 07/	6-5 6-7	07/13/88	13		SAC	07/14/88	07/14/88			07/19/88				
07/21/88 TB 5AC 07/25/88 07/25/88 08/01/88 08/01/88 08/02/88 07/25/88 08/02/88 08/02/88 08/02/88 08/02/88 08/02/88 08/02/88 07/25/88 08/02/88 08/02/88 08/02/88 08/02/88 08/02/88 07/25	<del>6</del> -3	07/13/88	13		SAC	07/15/88	07/15/88			07/19/88				
07/22/88 TB SAC 07/25/88 07/25/88 07/25/88 07/25/88 08/02/88  08/02/88 TB SAC 07/25/88 07/25/88 07/25/88 08/02/88  07/22/88 EB SAC 07/25/88 07/25/88 07/25/88 08/01/88  07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 07/25/88  07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 07/25/88  07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 07/25/88  07/21/88 AB SAC 07/25/88 07/25/88 07/25/88 08/01/88  07/21/88 AB SAC 07/25/88 07/26/88 07/26/88 08/01/88  07/21/88 AB SAC 07/25/88 07/26/88 07/26/88  08/02/88 AB SAC 07/26/88 07/26/88 07/26/88  08/02/88 AB SAC 07/26/88 07/26/88 07/26/88  08/02/88 AB SAC 07/26/88 07/26/88  08/02/	<b>†</b> -50	07/21/88	TB		SAC	07/25/88	07/25/88			08/01/88				
07/22/88 IB SAC 07/27/88 07/25	QC-3	07/22/88	13		SAC	07/26/88	07/26/88			08/07/88				
C-14 07/22/88 EB SAC 07/26/88 07/25/88 07/25/88 06/01/88 C-17D 07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 06/01/88 C-23D 07/21/88 EB SAC 07/25/88 07/25/88 07/12/88 07/12/88 07/12/88 07/12/88 EB SAC 07/14/88 07/12/88 07/12/88 EB SAC 07/25/88 07/25/88 07/22	9-50	07/26/88	13		SAC	07/27/88	07/27/88			08/03/88				
2-270 07/21/88 EB SAC 07/25/88 07/25/88 06/01/88 2-290 07/21/88 EB SAC 07/25/88 07/25/88 07/25/88 07/14/88 07/14/88 07/14/88 07/14/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 EB SAC 07/25/88 07/14/88 AB SAC 07/14/88 07/14/88 07/14/88 AB SAC 07/14/88 07/14/88 AB SAC 07/14/88 07/14/88 AB SAC 07/14/88 07/14/88 AB SAC 07/18/88 07/14/88 AB SAC 07/14/44 AB AB SAC 07/14/44 AB AB SAC 07/14/44 AB SAC 07/14/44 AB AB SAC 07/14/44 AB SAC 07/14/44 AB SAC 07/14/44 AB AB SAC 07/14/44 AB AB SAC 07/14/44 AB SAC 07/14/44 AB AB SAC 07/14/44 AB SAC 07/44/44	QC-14	07/22/88	EB		SAC	07/26/88	07/26/88	07/25/88 -0	8/01/88				U	
07/12/86 AB SAC 07/25/88 07/12/88 AB SAC 07/12/88 07/12/88 07/12/88 AB SAC 07/12/88 07/12/88 07/12/88 07/12/88 AB SAC 07/12/88 07/12/88 07/12/88 07/12/88 AB SAC 07/12/88 07/1	QC-17D	07/21/88	8		S <b>A</b> C	07/25/88	07/25/88			08/01/88				
D-129	QC-23D	07/21/88	2		SAC	07/25/88	07/25/88			08/01/88				
-495 07/25/88 EB SAC 07/26/88 07/26/88 07/26/88 07/25/88 07/26/88 07/26/88 07/25/88 07/22/88 07/22/88 07/22/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 07/25/88 AB SAC 07/26/88 07/11/88 07/11/88 07/11/88 07/11/88 07/11/88 07/12/88 AB SAC 07/26/88 07/26/88 07/26/88 07/26/88 07/12/88 AB SAC 07/26/88 07/12/88 B 07/11/88 O7/12/88 AB SAC 07/26/88 07/12/88 B 07/11/88 O7/12/88 AB SAC 07/26/88 07/12/88 AB SAC 07/26/88 07/12/88 AB SAC 07/26/88 07/12/88 AB SAC 07/12/88 AB	QC-29D	07/12/88	7		SAC	07/14/88	07/14/88			07/18/88				00,000
2-92 07/20/88 EB SAC 07/22/88 07/22/88 07/22/88 07/22/88 07/22/88 EB SAC 07/25/88 07/25/88 07/22/88 EB SAC 07/25/88 07/25/88 07/25/88 E-110 07/25/88 AB SAC 07/126/88 07/126/88 07/126/88 E-103 07/22/88 AB SAC 07/11/88 07/126/88 07/126/88 E-103 07/22/88 AB SAC 07/126/88 07/126/88 07/126/88 E-103 07/12/88 AB SAC 07/126/88 07/18/88 E-103 07/126/88 E-10	OC-498	07/25/88	2		SAC S	07/26/88	07/26/88							98/00/80
	89-50 0	07/20/88			SAC	07/22/88	07/22/88			07/28/88				
	QC-92	07/21/88	2		S.A.C	07/25/88	07/25/88			08/01/88				
C-1023 07/18/88 AB SAC 07/11/88 07/11/88 C-1036 07/22/88 AB SAC 07/26/88 07/26/88 C-1037 07/14/88 AB SAC 07/18/88 07/18/88  = Date missing - holding time unknown b = Bolding time was exceeded for this = All analyses for Method 200.7 were analyzed within one month of the date sampled = Monitoring Well SAC = Redian Analytical Services, Sacram = Equipment blank AB = Ambient blank	QC-110	07/25/88	2		SAC	07/26/88	07/26/88			08/03/88				
5-1036 07/22/88 AB SAC 07/26/88 07/26/88 5-1037 07/14/88 AB SAC 07/18/88 07/18/88 5-1037 07/14/88 AB SAC 07/18/88 07/18/88  = Date missing - holding time unknown b = Bolding time was exceeded for this = All analyses for Method 200.7 were analyzed within one month of the date sampled	QC-1023	07/08/88	7		SAC S	07/11/88	07/11/88			07/16/88				
5-1037 07/14/88 AB SAC 07/18/88 07/18/88  = Date missing - holding time unknown b = Holding time was exceeded for this = All analyses for Method 200.7 were analyzed within one month of the date sampled = Monitoring Well SAC = Radian Analytical Services, Sacram = Equipment blank AB = Ambient blank	QC-1036	07/22/88	<b>S</b>		SAC	07/26/88	07/26/88			08/07/88				
= Date missing - holding time unknown = All analyses for Method 200.7 were analyzed within one = Monitoring Well = Equipment blank = Teach blank	QC-1037	07/14/88	8		SAC	07/18/88	07/18/88			07/19/88				
= All analyses for Method 200.7 were analyzed within one = Monitoring Well SAC = Equipment blank AB =	•	missins.	· holding ti	me unknown		ì		Description of the	led for thi	a method	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			• • • • • • • • • • • • • • • • • • •
- Monitoring Well - Equipment blank - Trin kinch	•	, see a laur	for Method 2	100 7 Were	nal vze	d within on	e month of t	the date samp	9					
= Equipment blank		torine We			ì	SAC	- Radian Ana	latical Servi	ces. Sacra	mento				
		inment bl	4			YB.	- Ambient bl	ank						
ı	1		í			ļ								

samples. With the exceptions noted in Table 1-8 all the data were acceptable. Any out-of-control data were qualified as estimated. More than 99 percent of the data have been validated and are unqualified. Out of a total of approximately 17,000 individual analytical results, only 34 detected results were qualified at less than one percent. Therefore, the completeness objective of having more than 90 percent usable data has been met.

Some analytical results in this report are flagged with "P" or "PC." This qualification means that the compound was confirmed in previous quarters by a second-column confirmation run, therefore, a second-column confirmation was not performed during this sampling period. This practice is consistent with the DOHS guidelines of 1 September 1987. In addition, some data are flagged with "B." This indicates that the compound was found in the reagent blank analyzed the day the sample was analyzed.

#### Problems and Corrective Actions

As noted above, the only QA/QC problem during this sampling and analysis effort was that holding times for many of the samples analyzed by Canonie Environmental Services were exceeded. The corrective action being taken is a search for a new laboratory that will assure timely analyses and provide higher quality data. The data from samples exceeding holding times is of little use in evaluating the data collected during this sampling period. However, as mentioned above, the loss of these data does little to the overall data quality since they were used only for comparison and not for groundwater quality evaluation.

Another problem arose in collecting a correct number of ambient blanks. Only 7 of the 10 required ambient blanks were collected due to oversights of the sampling personnel. The corrective action will be to re-emphasize to the Sampling Task Leader the need for complete adherence to sampling protocol. Closer supervision of the sampling team by project management will be implemented.

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The other qualified data equally divided between field and laboratory problems, suggesting that they come from random errors. Our field teams are required to be familiar with the sampling protocol, and the laboratory is audited routinely. Therefore, no corrective action other than good training and supervision is necessary. The same can be said for the instances of equipment blank contamination. Complete adherence to the sampling, and in this case, decontamination, protocol should alleviate any problems.

#### 1.2.2 Presentation of Analytical Data

This section summarizes the chemical analyses for groundwater samples collected during July through September 1988. In the following tables, the analytical results are presented by area and within each table are subdivided into each analytical method. Tables 1-10 through 1-16 present the results for Area A by method. Tables 1-17 through 1-23 present the results for the Southeast Area. Tables 1-24 through 1-30 and Tables 1-31 through 1-36 present the results for Area B and for the Southwest Area, respectively. Tables 1-37 through 1-43 present the analytical results from wells located in Area C. The analytical results from the West Area are in Tables 1-44 through through 1-45. The analytical results from Area D and from the Northwest Area are presented in Tables 1-46 through 1-51 and Tables 1-52 through 1-58, respectively. Tables 1-59 through 1-65 present the results from Other On-Base Areas. The results from the Northeast Area are presented in Tables 1-66 through 1-69.

TABLE 1-10. MISTER LIGG OF WELLS SAMPLED FOR U.S. EYA METHOD 601 COMPOUNDS
FOR META A MED ADVICENT ON-BASE METAS, CRONDINGTER SAMPLING AND ANALYSIS PROCRAM,
JILY THOUGH SEPTEMER 1998, MCJELAM APB

	200	U.S.E.									
Parameter	Action Level	Primary M4-270 M3.	M-270	<b>14</b> -270	<b>14</b> -279	M-270	<b>9</b>	<b>3</b>	\$ <b>±</b>	<b>#</b> -71	
Ground Water Zone			MEDICE	MEER	MEDIZ	HOOLE	SEWION	SERTON	MEDIE	MODULE	
Date Sempled			07/20/88	07/20/88	07/20/88	07/20/88	07/15/86	07/20/88	07/13/88	07/20/88	
Sampled By			RADIAM	PADILAN	PADIAN	PADIZAN	RADIAN	RADILAN	RADIAN	PADLAN	
Detre Analyzed			07/22/88	07/22/88	07/25/86	08/17/88	03/38/88	07/22/88	07/14/88	07/22/86	
3			Sec	SWC	SKC	8	Sec	Sec	Ş	SAC	
Field Amlysis			Ę	ě	<b>30</b>						
Lab Analysis			<b>1</b> 9	<b>9</b>							
Ohloromethere	92	2	2	2	2	2	Q	Q	Q	Q	
Beginnerthers	¥	¥	2	2	2	2	9	9	2	2	
Virgi chloride	7	-	2	2	2	2	9	2	2	2	
Otlomethere	曼	¥	2	9	Ð	9	9	2	2	2	
Methylene chloride	\$	¥	2	요	2.9	2	9	2	2	2	
Trichlocofluormethers	3400	7	2	₽	Q	2	€	2	2	€	
1,1-Dichlocosthere	•	7	2	e	2	2	2	2	2	2	
1,1-Dichlocoethers	8	별	2	2	9	2	₽	2	2	2	
Total 1,2-Dichlorosthers	91	<b>2</b>	<b>3</b> 80	2	2	2	9	2	2	2	
Chlorofoun	8	8	SĮ.	351	81	2	<b>Q</b>	2	2	0.520	
1,2-Dichiccosthers	-	•	1.2	2.K	0.8	2	2	ē	2	<b>Q</b>	
1,1,1-Trichlomethers	8	8	2	9	2	2	<u>2</u>	9	2	2	
Carbon petrachloride	<b>.</b>	so i	8.80	<b>2</b>	a	2	2	2	2	2	
Bromodichloromethers	<b>§</b>	<b>8</b> !	<b>2</b> !	<b>2</b> !	2 !	2	2	2	2	<b>2</b> !	
1,2-Ulchloropeopens	3 1	2 !	2 9	2 9	2 9	2 9	2 !	<b>2</b> !	2 9	2 (	
Trans-1, 3-dicaloropropers	٤.	Ľ.	2 }	€ 5	€ 8	5 8	5 8	<b>2</b> 9	2 9	2	
A TACTILISE OF THE RE	۹ ج	, §	3 9	3 9	<u> </u>	Ř s	2 9	2 9	2 9	37.5	
1 1 2-Trickly or antique	3 5	3 9	5 5	2 9	5 5	5 5	2 9	5 5	2 9	5 5	
cle-1 3-Dichloroment	<b>2</b>	<u> </u>	9	9 €	9 9	9 9	2 9	2 ⊊	2 5	9	
2-Chlomethalvinal ether	<b>.</b>		2	9	9	9	9	2	9	! <b>2</b>	
Beomofisem	8	9	2	2	2	2	2	2	2	2	
1,1,2,2-Tetrachlocoethens	<b>H</b>	¥	2	2	2	2	2	2	2	2	
Tecrachicoethere	4	Ħ	2	2	2	2	2	2	2	2	
Chloeobersers	8	¥	2	2	2	2	2	2	9	2	
1,3-Dichlocobersers	021	2	2	2	2	2	2	2	2	2	
1,2-Dichlorobenene	130	픮	2	2	2	2	2	2	2	2	
1,4-Dichlorobersers	(100)0.5	<b>3</b>	Q	Q	Q	2	2	2	2	OV.	
AL UNITS ARE ug/1											
M - Manitouring Wall			2.	₹	Corporation	Secremento,	_	NO - Nothing detected	detected		
FIM - First field deplicate smalysis	e amplysis		ø		- Caronie Businomental Services	tal Services		C = Amalysis	confirmed in	<ul> <li>Analysis confirmed in second colum analysis</li> </ul>	
FIB = Second field deplicate analysis	te amalysi	•	31	SAC * Radian	Aralytical	= Redian Analytical Services, Secremento		IQ - Limit of quantitation	quertitation		
IDA - First Laboratory deplicate analysis	licate and	lysts					_	Por R = Identity previously confirmed	ntity poevio	selv confirmed	

1

THEE 1-11. INSTER LCS OF WELS SAFEED FOR U.S. ETA HEISTD 602 COPPOUNDS FOR AREA A AND ADLACING CHEAGE AREAS, CRONDINGER SAFELING AND ANALYSIS PRODUM, JULY TROCKE SEPTEMER 1989, INCLEILAN APB

Parameter	DOBS Action Level	U.S.EPA Primary M.L.	M-270	M-270	M-270	W-270	ZI. NUMBR NJ-67	98 <del>1</del>	\$ #	м-л
Georat Meter Zone Dice Supled Supled By Dice Analyzed Lab Fleid Analyzes Lab Analyzes			HUX1.E 07/20/88 RADZAH 07/22/88 SAC FTA	HUTLE 07/20/88 RADIAN 07/22/88 SAC FPA	MODILE 07/20/88 PADIAN 07/25/88 SAC FUB	MODILE 07/20/88 RADIAN 08/12/88 CES	SENTICH 07/15/88 RADIAN 07/15/88 SAC	SEMLICH 07/20/88 PATIAN 07/22/88 SAC	METALE 07/13/86 74/07/88 07/14/88	HUDOR R 07/20/88 07/22/88 SAC
Odocobernene 1,3-Dichlocobernene 1,4-Dichlocobernene 1,4-Dichlocobernene Bernene Betrylbernene	30 130 130 (100)0.5 .7 .7 .100		222222	999999	222222	222222			222222	222222

AL UNIN ARE ug/!

144 - Mentiocing ball

150 - First field deplicate enalysis

158 - Secord field deplicate enalysis

158 - First indoortooy deplicate enalysis

158 - Secord laboratooy deplicate enalysis

BMEAN = Redian Comporation, Secremento
CES = Canonie Baricomental Services
SMC = Redian Amelytical Services, Secremento

ND = Nothing detected LOQ = Limit of quantitation NE = Not established

DARE 1-12. MISTER LGS OF WELLS SAFELED FOR U.S. BPA NESTED GOA COPPUNDS FOR MEEA A AND ADJACENT OF BASE MEEAS, GROUNDANDER SAFELDIG AND ANALYSIS FROCKAM, JULY TERGUER SEPTEMER 1988, M-CLELAM APB

Parameter	Act in	U.S.EPA Primary M4-71 MCL	7-HA	
Ground Water Zone			MINE	
Date Sampled			07/20/88	
Sempled By			RADIAN	
Date Analyzed			98/10/90	
qel			35	
Field Arelysis				
Lab Aralysis				
2,4,6-Trichlompherol	92	¥	2	
2-Chlorophenol	<b>Y</b>	<b>2</b>	2	
2,4-Dichlorophenol	<b>9</b>	篗	2	
2,4-Dimerthylphemol	8	띹	2	
2-Miteopherol	¥	鱼	Q	
4-Mitmpherol	¥	띺	2	
2,4-Dinstrophenol	<b>¥</b>	<b>2</b>	2	
Percachlosophanol	8	<b>2</b>	2	
Phenol	¥	¥	2	
4-Chloro-3-methylphenol	뜊	筻	2	
4,6-Dinitro-2-methylphenol	<b>M</b>	¥	9	
ALL UNITS ARE ug/1				N) = Nothing detected
THE BUTTOTTE AL			SAC = Redian Aralytical Services, Secremento	NE = Not established

TABLE 1-13. INSTITUTO OF MELLS SAPELED FOR U.S. DEA CIP MENHOD 62A COPPOLING FOR MEEA A AND ADLACENT OF BASE MERS, CHOICHACER SAPELLING AND ANALYSIS FROCKHI, JULY TROUGH SEPTEMER 1988, M-CLELAM APB

Court later face   Court later		90			WELL NUMBER	
MUTITE HOTTLE 07/20/88 07/20/88 SAC SAC 1DA 1789/88 SAC SAC 1DA 1789/88 SAC SAC 1DA 1789/88 SAC SAC 1DA 1789/88 SAC	Parameter	Action		0Z- <del>1</del>	<b>14-20</b>	
No. 100   No.	Ground Marter Zone			MINIE		
NACON   NACO	Date Sampled			07/20/86	07/22/88	
94C	Sempled By			RADILAN	PADILAN	
SAC SAC  1DA 11B  NO NO NO  NO NO	Date Analyzed			03/29/88	88/62/10	
LDA   LDB	- - - - - -			SAC	35	
M	ried Amalysis			<b>V</b>	SET I	
M	Chloromethens	2	9	Q		
10	Bromomethene	曼	<b>2</b>	2	2	
NO   NO   NO   NO   NO   NO   NO   NO	Virgi chloride	7	-	2	2	
M. M	Chloroethere	Ħ	¥	2	2	
M. M	Mathylane chloride	3	¥	2	2	
MD MD  28 29  29 29  12 13  MD MD MD  MD MD MD  MM MM MM  MD MD MD  MD MD MD  MD MD MD  MD MD MD  MD	Trichlocofluocomethers	9 <del>7</del>	¥	£	¥	
NO N	1,1-Dichloroethere	•	^	2	2	
28 29 10 1	1,1-Dichloroethere	8	<b>2</b>	2	•	
12 13  13 16 16  16 17 8.8  17 8.8  18 10 10 10  19 10 10  10 10 1	Total 1,2-Dichlorosthers	92	얼	83	82	
NO N	Chloreform	8	9	ជ	13	
8.7 8.8 ND N	1,2-Dichlocoethers	-	•	2	2	
8.7 8.8 ND N	1,1,1-Trichlorosthers	g	8	2	Q	
NO N	Carbon terrachloride	s	•	8.7	80° es	
NO N	Recordich locement here	8	8	2	2	
NO N	1,2-Dichlosopeopers	<b>a</b> !	<b>Y</b>	2	₽ :	
M M M M M M M M M M M M M M M M M M M	Trans-1, 3-dichloropropers	¥.	¥.	2 1	<b>2</b> ;	
NO N	Trichiocontrare	۸ ۶	n §	۱ ۽	e g	
M. M	1 2-Trichlementure	3 5	3 y	2 5	2 \$	
M. M	sta-1.3-Dichloroper	£	j <b>j</b>	2 2	2 2	
NO N	2-Chlomethylvinyl ether	¥	<u> </u>	£	! ₹	
NO	Bremofoum	81	901	2	2	
ND	1,1,2,2-Tetrachlomethere	¥	¥	2	2	
ND N	Tetrachlocoethene	•	<b>2</b>	2	2	
ND N	Chlorobensens	R	¥	2	2	
ND N	Servens	۲.	s,	2	2	
ND N	Ethylbersers	<b>9</b>	¥	2	2	
ND SAUTAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento NB ND ND NA ND	Tolumera	8	¥	2	2	
ND N	Acatoma	更	¥	2	2	
ND ND ND ND ND NAULM = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento ND SAC = Radian Analytical Services, Secremento NA ND	Carbon disultide	¥ !	<b>M</b> i	2 9	<b>2</b> !	
ND ND  RADIAN = Radian Corporation, Secremento ND  SAC = Radian Analytical Services, Secremento NA  NE NA	2-But attorie	ij	¥	2	2	
RAULAN = Radian Corporation, Sectamento NO SAC = Radian Analytical Services, Sectamento NA NE	Viry! acetate	<b>2</b>	¥	2	2	
RADIAN = Radian Corporation, Secremento NO SAC = Radian Analytical Services, Secremento NA 1	NL UNITS ARE US/1					
SAC = Radian Analytical Services, Sacramento NA	44 = Mentioring Well			₹	2	
***	An - Pirst Laboratory dapi	dicate and	alysts	5	- Radian Analytical Services, Sacramento NA	
	IfB = Second Laboratory du	plicate a	stevier		里	

Parameter	DOBS Action Level	U.S.EPA Primary M4-27D MCL	M-27D	H511, NUMBRR	
Goornd Water Zone Date Semiled			MUDELE 07/20/88	MOTE 07/20/88	
Sempled By			RADIAN	NACIONA	
Date Aralyzad			07/29/88	07/29/86	
3			3	ON.	
Field Arelysis					
Lab Amalysis			4		
2-Bearions	¥	吳	2	Q	
4-Nethyl-2-pertenns	¥	麗	2	9	
Styrens	巢	2	2	2	
Intal Mienes	<b>2</b>	띺	2		
ALL UUTS AR ugil 164 - Maniocing Mail LIA - First Laboratory deplicate LIB - Securd Laboratory deplicate		eralysis aralysis	g 33	RADIAN = Radian Oxpose ion, Secremento ND = Nothing detected SAC = Radian Analytical Services, Secremento NE = Not established	

77.75

TARIE 1-14. IMSTER LOS OF WELLS SAMPLED FOR U.S. ETA NETRO 625 COMPUBIOS. FOR MEDA A AND ADLACENT ON-BASE MEDS, CRONONIOUR SAMPLING AND ANNIVES PRODAM, JULY TRICKE SEPTEMER 1998, M-CARLAN APB

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Harrian   Harr		SHDO	U.S.EM			WELL NIPRER	
MILTALE   MILT	Parameter	Action	Primary	M-270	M-270	WH-69	
MITTE			!			والمراجعة	
130   120	Ground Water Zone			MIDIE	MIDDLE	MINE	
120   18   139   139   140	Date Sampled			07/20/88	07/20/88	07/13/88	
130   18   19   19   19   19   19   19   19	Sempled By			RADIAN	RACITAN	RADIAN	
1.20   KB   KB   KB   KB   KB   KB   KB   K	Date Analyzed			08/11/88	08/11/88	07/26/88	
130 KG NO	4			Sec	SEC	SAC SAC	
120   NE   NO   NO   NO   NO   NO   NO   NO	Field Amalysis						
130 KE NO NO NO NO NO NO 130 KE NO	Lab Amalysis			VGT.	817		
130   NE   NO   NO   NO   NO   NO   NO   NO	1,3-Dichlorobersers	130	<u> </u>	2	2	Q	
NE   750 NO	,2-Dichlorobensers	82	坐	2	2	2	
NE	,4-Dichlorobensers	<b>%</b>	8	2	2	2	
	Cenegitations	뛢	¥	9	2	2	
	,2,4-Trichlombersens	<b>y</b>	皇	2	2	9	
	machiocobarnama	<b>2</b>	2	2	2	2	
The No. 1900	machilocoethans	2	¥	2	5	Q	
NE	is(2-chicmetryi)ether	¥	皇	2	2	2	
NE NE NE NO	Chlororapischalens	¥	曼	2	2	2	
HE HE HE HO NO NO HO	3'-Dichlorcheneidine	爱	¥	욮	2	2	
NE	4-Dinitrotolume	舅	Ħ	2	2	2	
No.	6-Dinitrotolums	舅	麗	9	2	2	
thus RE RE NO	Jocenthene	<b>9</b>	<b>Y</b>	2	2	<b>2</b> !	
Mare NE NE NE NO	Chloropheryl pherylecter	¥ .	<b>9</b>	9	2	2 :	
Attack RE RE RO NO	nitrosodimenty landne	<b>Y</b>	里	£	≨ !	<b>≨</b> !	
Marie No.   Mari	nit mosedi n-propy lamine		<b>Z</b>	2	<b>9</b> !	<b>2</b> !	
NE	is (2-ethylhesyl)phthelate	¥	¥	2	2	<b>2</b> !	
NE	cylbersyl pichalate	¥	曼	2	2	<b>2</b> '	
NE	-n-luxyl phthelate	2	2	2	2	<b>2</b> !	
NE   NE   NO   NO   NO   NO   NO   NO	though phehalate	<u></u>	里	2	2	2 :	
NE   NE   NO   NO   NO   NO   NO   NO	settyl pithelate	¥		2	2	2	
NE   NE   NO   NO   NO   NO   NO   NO	metry perhalate	<b>y</b>	<b>y</b>	2 !	2 !	2 !	
NE   NE NO	meo(a)arthrecens		ž	2	2 !	2 !	
NE NE NO	mao(a)pyrene		<b>3</b> i	2 9	2 9	2 :	
HE HE HO NO NO  (LOQ)0.7 HE HO NO NO  HE HE HO NO NO  OFFICIAL AND NO  HO NO  MO NO  Applicate analysis  SAC = Radian Analytical Services, Secremento  y deplicate analysis	THE PROPERTY OF THE PROPERTY O	<b>e</b> 9	2 9	2 9	5 5	2	
there NE NE ND ND ND  ME NE NE ND ND ND  ME NE NE ND ND ND  ME NE NE ND ND  ME NE ND ND  ME NE ND ND  ME ND ND		2 4	2 4	2 5	9 9	9 9	
terns NE NE ND ND ND  Terns NE NE ND ND ND  Terns NE NE ND ND ND  Terns NE NE ND ND  Terns NE ND ND  Terns ND ND  Ter	orthonore	(100)0	! ¥	9	9	! ⊊	
ME NE NO NO NO  RADIAN Corporation, Secremento  RADIAN = Redian Amiytical Services, Secremento  y deplicate analysis  SAC = Redian Amiytical Services, Secremento	(a/2-chicamethone) mathena	-	<u> </u>	9	9	2	
Apilonte analysis SAC = Radian Analytical Services, Secremento y deplicate analysis	1		<b>9</b>	9	2	9	
RANIAN = Radian Comporation, Secremento SAC = Radian Aralytical Services, Secremento y deplicate eralysis	unchlorocyclopart adiena	皇	¥	2	2	9	
RATIAN = Radian Comporation, Secremento Omploate analysis SAC = Radian Analytical Services, Secremento y deplicate analysis	(I. INT'S 40E .m/l						
deplicate analysis SAC = Radian Analytical Services, Secremento y deplicate analysis	# - Montractor (#1)			2	MAN - Redien	Comoration, Secremento	ND = Nothing detected
y delicate aralysis		lose and	, mai	3	į	Aralytical Services, Secremento	NA = Not analyzed
***	B = Second Laboratory de	licate at	alvets	i			100 = Limit of quentitation
			•				NE = Not established

Parameter Loval Ground blacer Zone Date Surplied Second blace	Primary M4-270	M. 177	CE 0.797	100	
Lovel Lovel place Zone place Per		77.	777		
Georal theer form Date Sempled Semiled Be	렃				
Date Semiled		MILE	HODRE	MUSIE	
		07/20/86	07/20/88	07/13/86	
		RADIAN	RADIAN	RADIAN	
Date Analyzed		08/11/88	08/11/88	07/26/88	
4		SKC	SAC	SKC SKC	
Field Amlysis					
Lab Analysis		MG1	<b>8</b> 77		
Isophaguae NE N	Ä	2	2	ð	
_	9	2	2	2	
 12	2	2	2	2	
2	¥	2	2	9	
¥	<b>2</b>	2	2	9	
1,2,3-cd)pyrens NE	<b>Y</b>	2	2	2	
2	¥	2	2	2	
	₩.	2	5	2	
¥	9	2	2	Q	
끷	<b>F</b>	9	2	2	
Marrol 400	2	2	2	2	
Ħ	<b>2</b>	2	2	2	
<b>¥</b>	2	2	2	2	
<b>H</b>	曼	2	9	<b>9</b>	
nloraphenol 30		2	2	2	
<b>Y</b>	<b>¥</b>	2.9	2.2	2	
diphery lamine NE		2	£	2	
¥	¥	<b>≨</b>	≨	≨	
2	<b>2</b>	2	Q.	2	
Secher Ri	2	2	2	2	
1,1)perylene NE	¥	2	9	2	
<u> </u>	禹	2	2	<b>2</b> :	
<u> </u>		2	2	<b>2</b> !	
itm-2-metiwiphenol NE		2	2	2:	
<b>2</b>	<u> </u>	≨ !	€ !	£!	
	2	2	2	2 :	
<u></u>	<b>E</b>	2	2	2	
_	¥	2	2	2	
2	¥	2	2	2	
	爱	2	2	2	
<b>2</b>	里	9	2	2	
	Ä	2	£	9	
M = Manitoaring Well		2	MAN = Radian	RADIAN = Radian Corporation, Secremento	ND = Northing detected
IDA = First laboratory daplicate analysis	slev.	S		<ul> <li>Radian Analytical Services, Secramento</li> </ul>	NA = Not analyzed
IJB = Second Jaboratory dual icate analysis	dvsts				NE = Not established

Parameter	DOSS Action Level	U.S.EPA Primary MCL	M-270	M4-270	<del>№ 69</del>	NETT NIMEGY
Geourd later: Zone Date Sampled Sampled By Date Analyzed Lab Field Analysis Lab Analysis			MULLE 07/20/88 RADIAN 08/11/88 SAC	HUTLE 07/20/88 PADIAN 08/11/88 SAC	MDDAE 07/13/88 RADIAN 07/26/88 SAC	
2-Hitmentitre 3-Hitmentitre Diberedium 4-Hitmentitre Bereo(b)finoraribere	<b>5555</b>	<b>5553</b>	2222	5555	<b>3555</b>	

1-51

ND = Nothing detected NE = Not established

RATIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

AL UNITS AND ug/1

NA = Mentroering Mell

IIA = First isborntory deplicate smalysis

IIB = Second isboratory deplicate smalysis

DARE 1-15. MATER LCG OF WELLS SAMPLED FOR U.S. EYA METHOD 601 COMPOUNDS FOR THE SUTHENST AREA, GROINDWATER SAMPLING AND ANALYSIS FRORMM, JULY THROUGH SEPTEMER 1988, MCCELLAN APB

Count black Zone   MILLS   SMLICH   SMLICH   SMLICH   MILLS   DES	
Column   C	
No.	
No.	
No.	
N. C.   N. C	
Here Here Here Here Here Here Here Here	222222222
N.   N.   N.   N.   N.   N.   N.   N.	222222222
NE	222222222
Here See No. 10	2222222222
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 2 <u>2</u> 2
HE NE	2 2 2 2 2 2 2 2 <u>2</u> 2
trum	
Harrier 3400 NE NO	2 2 2 2 2 2 <u>2</u> 9
the fe	<b>2222</b>
the character of the NG	<b>222</b> 2
tchere 16 KE NO	<b>222</b>
100   100   NO   NO   NO   NO   NO   NO   NO	22!
1	2 !
Column   C	!
Color   Colo	2
THE 100 100 NO	2
10   NE	Q
Property NE NE NE NO	2
S   S   N   N   N   N   N   N   N   N	2
The 100 100 ND	2
anne         100         NE         ND	2
ectrac NG	2
ether NE NE NO	2
100 100 NO	2
Octime NE NE NO	2
4 NE NO	£
30 RE NO	2
130 NE NO NO NO NO NO NO LE 130 NE NO	2
130 NE NO NO NO NO NO CO (LOQ)0.5 NE NO NO NO NO NO	Q
e (LQ)0.5 NE NO NO NO NO NO	2
AL UNITS AFE vg/1	Q
AN = Radian Comporation, Secretaristic	NO = Nothing detected
	LAM # LAMBE OF QUESTION OF THE PARTY OF THE
intenting Well RACIAN - Radian Organization, Secretario SAC - Radian Analytical Services, Secretario	

TWEE 1-16. MATER LIG OF WELLS SMPLED RIR U.S. ETA METER 602 COMPOUNDS FOR THE SOUTHEAST METER, CROUNDWITHE SMPLENG AND AMUNESS PROTEIN, JILY THOUGH SEPTEMER 1988, MCDRIAM APB

Parameter	MACTION Level	U.S.EPA Primery	<b>1</b>	M+1013	M-1014	H-1037	HELL NOMER NA-1038	M-1039
Ground Water Zone - was Sempled by Date Arealyzed Lab Flaid Arealyzes Lab Arealyzes			MUDILE 07/21/88 RADIAN 07/25/88 SAC	SHALGH 07/15/88 RAGGAN 07/20/88 SAC	SENTON 07/19/88 RADLAN 07/21/88 SAC	SEWLON 07/14/88 07/18/88 SAC	MILLE 07/14/88 RADIAN 07/18/88 SAC	DBSP 07/14/88 RATIAN 07/18/88 SAC
Chloroberame 1,3-Dichloroberame 1,2-Dichloroberame 1,4-Dichloroberame Berzene Berzene Ettylberame	30 130 (100)0.: 7 .7 .000	70.5 mm	2222222	222222	8888888	555555	555555	222222
AL UNITS ARE up/1 M = Monitoering Well			23	RMOLAN = Radian Corporation, Sacramento SAC = Radian Analytical Services, Sacramento	Corporation, Analytical S	Secretario ervices, Secr	1	ND = Northing detected LOQ = Limit of quentitation NE = Not established

TABLE 1-17. MASTR LCG OF WELLS SMELLED FOR U.S. ERA CLP MENED 62A COMPOUNDS FOR THE SOUTHEAST MERA, CHOUNDINGS SMELLING AND ANALYSIS FROGRAM, JULY THOUGH SEYTHMER 1998, M-CLELLAN AFB

Premater   Action Premater		<b>SHS</b>	U.S.EPA	NELL NUMBER	
HOTTLE  00/12/08  NAVIANI  00/12	Parameter	PE PE	7. 7.		
March   Marc	Ground Mateer Zone			MILE	
National Solutions   Nationa	Date Sempled			07/21/88	
24C  26C  27  28  28  29  29  29  29  29  29  29  29	Sempled By			RADIAN	
NG N	Date Analyzed			98/720/90	
No.	4			OWS	
NE	Field Amlysis				
NE   NE   NO	Lab Analysis				
No.	Oxlocomethers	2	92	Q	
2 1 MD  burns 3400 NE NA  cuthurns 16 7 MD  cuthurns 16 10 100 ND  cuthurns 17 5 MD  cuthurns 18 7 NE NA  cuthurns NE Ne NA	Becomeranting	뙻	¥	2	
NE   NE   ND	Virgi chloride	7		2	
10   10   10   10   10   10   10   10	Chlorosthera	¥	黑	2	
hims 3400 NE NA  25	Mathylane chloride	3	义	9	
tchans 16	Trichlorofluoromethers	8	¥	ž	
### 10   10   10   10   10   10   10   1	1,1-Dichlocoethers	ا ص	۲!	9 !	
10 100 100 100 100 100 100 100 100 100	1,1-Dichloroethers	8 :	<b>19</b> 9	€ :	
100   100	Total 1,2-Dichloroethers	<u>۾</u> 5	2 5	2 (	
the 5 5 5 NO	1 2 Parts	₹.	₹.	2 9	
the 5.00 5.00 ND  The 100 100 ND  The NA  The	1,2-Ucaldeoecimis	۶ ۲	, {	2 (	
10   10   10   10   10   10   10   10	Company and the contract of th	₹.	₹.,	5 5	
10   NE NO   NO   NO   NO   NO   NO   NO	Personal Contraction	, 5	, 5	5 5 5 5	
Propure NE NE NO  ns 100 100 NO  order NE NE NO  so NE NO  ne NO  so NO	1 2-Mohlomenter	<u> </u>	1	1 5	
5 5 NO	Trans-1.3-dichloroperpare	: <u>W</u>	E	? <del>?</del> ?	
100   100   ND   ND	Trichloroethens	'n	S	9	
### 100 NE NO  outhans 87 NE NO  outhans NE NE NO  outhans NE NE NO  1,7 5 NO  100 NE NO  ###	Dibromochlocomethere	81	901	9	
ecture 185 NE NO cetture 185 NE NO cetture 185 NE NO cetture 185 NE NO 30 NE NO 100 NE NO 100 NE NO 100 NE NO 110 NE NO 110 NE NO 110 NE NO NE NE NO NE NO NE NO NE NO NE NE NO NE N	1,1,2-Trichlospethere	91	<b>9</b>	2	
outhars NE NE NA  100 100 NO  outhars NE NE NO  30 NE NO  100 NE NO  NE NE NE NO  NE NE NO  NE NE NE NE NO  NE NE NE NO  NE NE NE NE NO  NE NE NE NE NO  NE NE NE NE NE NO  NE NE NE NE NE NE  NE NE NE NE NE  NE NE NE NE  NE NE NE NE  NE NE NE  NE NE NE  NE NE NE  NE NE NE  NE NE NE  NE	cis-1,3-Dichloropeopene	84	<b>9</b>	2	
100 ND outhans NE NE ND 30 NE ND 30 NE ND 30 NE ND 100 ND 100 NE ND 100 ND 1	2-Chloroettylvinyl ether	빌	¥	¥	
Outhman NE NE ND  4 NE ND  7 5 ND  100 NE ND  100 NE ND  NE ND  NE NE ND	Bromodoem	8	8	9	
100 NG ND  NG NG ND  100 NG ND  NG N	1,1,2,2-Tetrachlocoethene	¥	Ä	2	
30 NE NO 30 NE NO 600 NE NO 100 NE NO NE NE NE NE NO NE NE NE NE NO NE N	Tetrachlocoethers	4	¥	2	
17   5   ND	<b>Ottorobersene</b>	8	Ą	9	
680 NE NO 100 NE NO NE NE NE NO NE NE NE NO NE NE NE NO NE NE NE NE NO NE N	Berzera	۲.	•	2	
100 NG N	Ethylbensers	9	¥	2	
NE NE NO NE NE NE NO NE N	Tolumn	혈 :	¥ !	<b>9</b> 1	
NE NE NO  NE N	ACRECATIB	ij	Ę	2	
NE NE NO  NE NE NO  RADIAN - Radian Corporation, Sacramento NO  SAC - Radian Analytical Sacramen	Carbon diaulfide	¥ !	<b>F</b> i	29	
NE NE NO RATIAN = Radian Corporation, Sacramento NO SAC = Radian Analytical Sarvices, Sacramento NA SAC = Radian Analytical Sarvices, Sacramento NA	Z-Batanone	<b>y</b> !	e i	2!	
ell RAULAN = Radian Corporation, Secremento NO SAC = Radian Ambytical Services, Secremento NA	Virgi acetate	¥		2	
NALLAN = NALLAN CONCENTATO SECUENTION NO SAC = Radian Analytical Services, Secremento NA SAC	ALL UNITS ARE UE/1				
	PW = Pertitoring Well			2 2	
				The state of the s	

Parameter	Action [em]	Primary M4-280 MG.	WELL INFERR	
Geored Nation Zone Date Simpled Simpled By Date Analysed Lab Field Analysis Lab Analysis			MUTILE 07/22/88 RADIAN 08/02/88 SAC	
2-Hourone 4-Mathyl-2-partanne Syrene Total Mylenes	<b>225</b>	<b>8388</b>	2	
ALL URITS ARE ug/1 MV = Mentroering Mell			NATAN = Ration Connection. Secrement	

TARE 1-18. MISTER LCG OF WELLS SAMPLED FOR U.S. ERA METHED 625 COMPUTINGS FOR THE SOUTHERST AREA, GROUNDHATHE SAMPLED AND ANNIXES FROMAN, JLY TROUGH SEYTHMER 1989, MCCELLAN APB

		U.S.EPA	MELL NIFER	
	Action	Primary	Primary M4-28D	
Parameter		덮		
Ground Water Zone			MINIE	
Date Sampled			07/21/88	
Sempled By			TANIAN	
Date Analyzad			08/11/88	
4			SKC	
Field Amlysis Lab Amlysis				
1,3-Dichlorobeners	81	2	**************************************	
1,2-Dichlorobeness	0 <u>51</u>	2	. 2	
1,4-Dichlorobersers	¥	8	2	
Acetaghichene	黑	2	9	
1,2,4-Trichlombersers	7	¥	2	
Beachlocoberane	꾶	<b>W</b>	9	
Beachlocosthene	¥	¥	2	
Bis(2-chloroethyl)ether	麗	₩	2	
2-Chloecomphehalana	*	¥	2	
3,3"-Dichlorobeneidine	¥	띺	2	
2,4-Dinitrotohans	발	¥	Q	
2,6-Dinitrotohame	2	¥	9	
Photosthere	¥	¥	2	
4-Chloropharyl pharylether	2	里	2	
N-nitrosodimethy lanine	¥	¥	¥	
Writingodi n propylamine	¥ !	<b>2</b>	₽:	
Bis(2-ethylhesyl)phthalate	¥	Ä	2	
Baylbarayi pitthalate	¥	¥	2	
Di-ri-batyl phthalate	¥	¥	2	
1-n-octyl phthalate	¥	¥	Q	
Diectryl pirchalace	¥	¥	2	
Directly: phthelate	¥	<b>Z</b>	2	
Burac(a)anthracens	¥	翼	2	
Berso(a)pyroms	麗	黑	2	
Benso(k) fluocanthans	<b>3</b>	¥	2	
Chrysens	¥	¥	2	
Aceneptetrylane	¥	¥	2	
Archinome	(00)07	黑	2	
Bis(2-chloroethosy)methers			Q	
Sessible of the sections	星	黑	2	
The state of the s	•	ļ	!	

ND = Nothing detected
NA = Not analyzed
LQ = Limit of quentitation
NE = Not established

RADIAM = Radian Corporation, Secremento SAC = Radian Amalytical Services, Secremento

ALL UNITS ARE ug/1 Mi = Menitoring Meli

		U.S.EM		
Patrameter		Primary N4-280		
Ground Water Zone			MILE	
Date Sempled			07/27/88	
Sempled By			RADIAN	
Date Analyzed			08/11/86	
<u> </u>			380	
Field Arelysis Lab Arelysis				
Teatherne	1	9	9	
Meritalan	! ¥	! ¥	) <b>2</b>	
Mitrobaneme	复		. 2	
Phenenthouse	呈	里	2	
Otherso(a,h)arstracars	皇	<b>¥</b>	2	
Indeno(1,2,3-od)pyrans	별	발	2	
Pyroma	<b>Z</b>	및	2	
2,4,6-Trichlocophenol	曼	Ή	2	
2-Chloropherol	별	띺	Q	
2,4-Dichloropherol	¥	麗	2	
2,4-Dimethylphenol	8	曼	2	
2-Witnespherol	Ή	¥	9	
4-Mitmphenol	꾶	뜊	9	
2,4-Dinitrophenol	Ή	¥	9	
Pertachlosopherol	유 !	옆	<b>2</b> !	
Phenol	¥	¥	2	
Writzoeddpherylamine	更	<b>2</b>	2	
Benefidine	및	麗	£	
4-Becomplany pharylether	曼	吳	9	
84s(2-chlorolsopropyl)ether		¥	9	
Bersto(g,h,i)perylens	픺	띺	Q	
Fluorers	꽃	꾶	<b>Q</b>	
4-Chloro-3-methylphenol	일	띺	9	
4,6-Dinitro-2-methylphenol	Ή	麗	2	
Aniline	¥	麗	£	
Beneyl alcohol	<b>½</b>	또	2	
2-Methylphanol	里	Ή	9	
4-Methylphenol	巢	曼	2	
Benesic actd	<b>¥</b>	¥	2	
4-Chloroeril ins	曼	<b>9</b>	2	
2-Hetly Ingitalene	발	<b>¥</b>	Q	
2,4,5-Trichlosopheral	¥	¥	2	
ALL UNITS ARE ug/1				
M - Mentsoring Mall			RADIAN = Radian Corporation, Secremento	2
			SAC = Badian Analytical Services, Secremento	The Not analyzed
				į

MEE 1-18. (continued)

Pacamateur	DORS Action Level	U.S.EPA Primary 144-28D M.C.	HEZL NAMERR
Geourd Meter Zone Date Surpled Surpled By Date Amilyand Lab Finid Amilyais Lab Amilyais			MUSTE 07/22/88 PAULNI 08/11/98 SAC
2-Hitcomiline 3-Hitcomiline Dharachian 4-Hitcomiline Berso(b) Sluccenthen	<b>A A A A A</b>	医医肠肠肠	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
ALL UNITS ARE ug/1			RADIAN = Radian Outporntion, Setzionito NO = Nothing defected

1-58

TABE 1-19. MISTER LIG OF WELLS SAMELED FOR PREDICTY POLITIFANT METALS AND OTHER INCRANCE CHROLING FOR THE SOUTHEAST AREA, GROUNDINGS SAMELING AND ANALYSIS FACEARM, JLY THOUGH SEYTHMER 1988, MICHIGAN APB.

•	Act lon	U.S.EPA Primery	U.S.EPA Primary M-1013	*101 <b>-14</b> I	
	1	1			
Ground Water Zone			SENTON		
Date Semiled			07/15/88		
Sempled Pr			RADIAN	PACITAN	
Date Aralyzed					
4			SAC	O.S.	
Field Amelysis					
Lab Analysis					
Artimory	<b>1</b>	¥	2		
Accepte	<u> </u>		2	2	
Beryllium	2		2	2	
Cadadum	<b>H</b>		2	9	
Orrontan	¥		0.009	2	
Capper	¥		0.007	2	
1	Ħ		2	2	
Marcury	92		2	2	
Michail	Ä	뜊	0.16	0.050	
Selentian	발		2	2	
Silver	띺		2	9	
Thalliam	Ā		2	2	
2inc	Ä	7	0.010	0.004	
Fluorene	뜊	¥	2	9	
Celcium	<b>2</b>	7	2	2	
Chloride	¥	<b>2</b>	2	2	
Carbonate	麗	7	2	2	
Ison	¥	爱	2	2	
Bicarborate	¥	更	2	2	
Magnestum	<b>E</b>	<u>w</u>	2	9	
Sodium	¥	<b>3</b> 2	2	2	
Sulfate	M	¥	2	2	
Bartum	9	1.0	Ð	2	
Marganase	2	*	2	2	
Total Alkal Inity	¥	92	2	2	
Witzate	¥	3	2	2	
Total Discontinued Collide	9	ģ	9	5	

ND = Nothing detacted NE = Not established

RAILAN = Radian Componetion, Secremento SAC = Radian Analytical Services, Secremento

ALL UNITS ARE ng/1 M/ = Minitoring Well

TABLE 1-20. INSTER LCS OF WELLS SAMPLED FOR U.S. ETA MEIRED GOI COMPOUNDS FOR AMEA B. AND ADJACSHT CH-BACE AMEAS, GROTOHATER SAMPLING AND ANILLYSIS FROCKMY, JULY THOUGH SEPTEMERR 1989, MCJELAN AFB

Permeter Louil Ground later Zore Date Simpled Simpled By Date Amalyzad Lab												
Accord before Zone Seepled Seepled By Been Analyzed Lab		Primary M4-230 M3.	ST#-#I	<b>14</b> -418	M-418	MH-41S	£.	M-120	M-120	M4-120	<b>W</b> +120	121-151
into Sampled Sampled By Date Amalysed		MILE	MOTANS	MUTURS	SHNION	HOTTMES	8	SENLLON	SPACION	MATON	MOTIMES	MODELE
impled By Into Aralyzad (ab		07/21/88	07/13/88	07/13/86	07/13/88	07/13/86	07/15/BB	07/11/86	07/11/88	07/11/88	07/11/88	07/11/88
late Analyzad		PADIAN	PACTAN	RADIAN	RADIAN	PADIAN	PACICAN	PAC) [ABI	PACIAN	RADIAN	RACITAR	RACITAR
4		07/25/88	07/14/88	07/14/88	07/14/88	98/60/90	07/20/88	07/12/68	07/12/88	07/12/88	08/05/88	07/12/88
		Sec	3	3	3	8	S	SKC	3	SEC	8	8
Fleid Amiyais			Ę	é	<b>378</b>			Ę	Ą	<b>30</b>		
Lab Analysis			¥.	877				ş	9			
Orientechare	9	9	ç	2	2	ç	9	2	2	Q	£	2
Branchers	1	9	9	9	2	9	9	2	2	2	9	2
Virgel chloride	! -	9	9	2	9	2	9	9	2	2	9	9
Orlocosthere	<b>½</b>	9	2	2	2	2	2	2	2	£	Ş	오
lorde	<u> </u>	9	2	2	2	2	2	2	2	2	2	2
į	<b>H</b>	2	2	£	2	2	2	2	2	2	2	2
1,1-Dichlocoethere 6	^	2	2	2	2	2	2	2	2	2	2	2
1,1-Dichloroschane 20	<b>2</b>	2	2	2	2	2	2	2	2	2	2	오
Potal 1,2-Dichlocosthers 16	¥	2	<b>8</b> 27	<b>27</b>	27	2	<b>4</b>	21	277	211	2	2
Orlocustours 100	ള	2	1.72	1.72	1.76 57.1	2	욮	0.34C	0.450	0.380	2	2
1,2-Dichlocoethere 1	s	2	2	2	2	2	<b>8</b> 5.0	0.14C	0.160	0.150	2	오
1,1,1-Trichlomethene 200	8	0.300	2	2	2	2	2	2	2	2	2	윷
	٠,	2	2	2	2	2	£	2	2	2	9	욮
•	8	2	2	2	2	2	2	2	2	<b>2</b>	2	2
1,2-Dichloropeopens 10	鱼	Q	2	2	2	2	2	2	2	2	2	웃
Trans-1, 3-dichloropropera NE	¥	2	2	2	2	2	<b>2</b>	2	2	2	2	2
	s	2	98	<b>300</b> 6	870P	11000	g,	9.10	9.80	9.10	27	2
	8	2	2	2	3	2	2	2 9	2	<b>2</b> !	2 !	<b>Q</b> !
	¥	2	2	2	2	2	2 !	2 (	ا 2	2 !	<b>2</b> (	2 9
~	Ą	2	2	2	£	2	2	2 !	<b>2</b> !	<del>2</del> !	<b>2</b> !	2 !
tylvinyi ether	¥	2	2	2	2	2	2	2	2	2 !	<b>2</b> !	2 !
Beranofoem 100	ğ	2	2	2	2	2	2 !	2 9	2 !	<b>2</b> !	2 !	2 !
1,1,2,2-Tetrachlomethere NE	발	2	2	2	2	2	2	2 !	2 !	2 !	2 !	2 !
	¥	Q	Š	572	8	2	2	2	2	2	2	2
Chlorobergers 30	¥	2	2	2	2	2	2	2	2	2	2	2
1,3-Dichlorobensene 130	¥	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichlorobensers 130	¥	2	2	2	2	2	2	2	2	2	2	2
1,4-Dichlorobersers (10Q)0.5 NE	5 7	2	£	2	2	2	Q.	2	Q	Q	Q	2
ALL URITS ARE UB/I												
- Manitoring Well			₹	<ul> <li>Radian Corporation, Secramento</li> </ul>	Secremento			ORCEGO	•			
First field deplicate analysis	9	ا س	Commit	- Cermie Entromental Services	al Services		C = Amalysis	CONTINUE 1	= Aralysis continued in second column aralysis	m and you		
FIB - Second field deplicate analysis	<b>1</b>	vs.		<ul> <li>Radian Amelytical Services, Secramento</li> </ul>	ervices, Seco		LU = Limit or queritation	CHEST SECTO				
IDA = First laboratory deplicate analysis	elysis						Por K = logifity poeviously originated	SELLEY POSVLO	BLY CONTINUE			

o.5		999	U.S.EPA				9	WELL NUMBER	
Character   Char		Action	Primary	M+122	MF132	N#-132	¥-132	M-132	
DESP   DESP   DESP   DESP   DESP   DESP   DESP   DESP   DT518/98   D7/13/98   D7/13/98	Parameter	Level	ğ						
No.   No.	Ground Mater Zone			200	80	23 23 23 23	dad	200	
No. 1745   No. 1745	Date Sempled			07/18/86	07/18/88	07/18/86	07/18/88	07/118/88	
SAC	Sampled By			RADIAN	RACITAN	RADIAN	MAIDM	MADIAN	
NA   FIA	. ute Analyzed			07/19/88	07/19/88	07/19/88	07/19/88	08/01/88	
FDA   FDA   FDB   FDB	3			SKC	Sec	SKC	35	8	
LDA   LDB	Field Arelysis				Æ	é	<b>22</b>		
NO	Lab Analysis				4	<b>8</b> 9			
NO	Chloromethene	<b>3</b>	Ä	2	2	2	2	2	
NO	Bronconsthans	<b>2</b>	2	2	2	2	2	2	
NO	Virgi chloride	2	۰.	2	9	2	2	2	
NO   NO   NO   NO   NO   NO   NO   NO	Chlorcoethene	¥	皇	2	2	2	2	2	
NO	Metaylers chlorids	3	里	2	2	2	2	2	
NO	Trichlorofluormethene	3400	띺	2	2	2	2	£	
NO	1,1-Dichloroethere	•	7	2	2	2	Q	2	
NO   392   362   592   NO   NO   NO   NO   NO   NO   NO   N	1,1-Dichloroethere	8	¥	2	2	2	2	2	
NO	lotal 1,2-Dichlorosthers	91	Ħ	2	<b>9</b> 5	8	8	2	
NO	hloroform	8	8	2	2	2	2	2	
NO   NO   NO   NO   NO   NO   NO   NO	.,2-Dichloroethens	1	Š	2	0.867	0.74P	0.87	2	
NO   NO   NO   NO   NO   NO   NO   NO	.,1,1-Trichlocoethere	88	900	2	2	2	2	2	
NO   NO   NO   NO   NO   NO   NO   NO	arbon tetrachloride	s	•	2	2	2	2	2	
N	transdichloromethere	82	901	2	2	ð	2	2	
ND   ND   ND   ND   ND   ND   ND   ND	.,2-Dichloropeopers	ន	¥	2	2	2	2	2	
ND   959   859   879   850     ND   ND   ND   ND   ND   ND     ND   ND	hans-1, 3-dichloropropens	¥	¥	2	2	2	2	2	
NO	Tichloroethers	•	٠,	2	<b>8</b> 5	<b>8</b>	<b>8</b>	<b>2</b>	
NO	Abecrochloromethers	8	8	2	2	2	2	2	
ND   ND   ND   ND   ND   ND   ND   ND	.,1,2-Trichlomethern	8	星	2	2	2	2	2	
ND   ND   ND   ND   ND   ND   ND   ND	is-1,3-Dichloropoopers	8	坐	2	2	2	2	2	
ND	"Chlarostigiving ether	¥	篗	2	2	2	2	2	
NO   NO   NO   NO   NO   NO   NO   NO	romoform a	8	엵	2	2	£	2	Q	
ND	1,1,2,2-Tetrachlocoethens	<b>2</b>	<b>W</b>	2	2	2	2	2	
ND N	let rachiomethens	4	坐	2	9	2	2	2	
ND N	Norobersers	8	爱	2	2	2	2	2	
ND N	1,3-0ichlorobenene	130	¥	5	2	2	2	2	
NO N	1,2-Dichlorobenene	130	坐	2	2	2	2	e	
RMOIAN = Radian Componention, Secremento CES = Centria Environmental Services SAC = Radian Aralytical Services, Secremento	1,4-Dichlorobersers	(100)0	E	2	윤	2	2	Q	
NATIAN = Radian Corporation, Secramento CSS = Cernia Environmental Services SAC = Radian Aralytical Services, Secramento	ALL UNITS ARE UE/1								
OSS = Cercula Baricomental Services SAC = Radian Analytical Services, Secremento	W = Manitocing Well			₹	OLAN - Radian	Corporation,	Secremento		
SAC = Radian Aralytical Services, Secremento	DA = First field deplicate	a sensityst:		뜅		Producement	al Services		C = Aralysis continued in second column arealysis
	UB = Second fleid duplica	te analys:	2	3		Amlytical St	ervices, Secr	anerico	IQ = Limit of quertitation
	DA = First laboratory dap	dicate an	alysis						P or RC = Identity previously continued
	128 = Second Laboratory du	plicate =	signa						NE = Not established

TABLE 1-21. MATER LG: OF MELLS SAMPLED FOR U.S. EYA HETSTD 602 COMPOUNDS
POR AFRA B AND ACMORD ON-BASE AFRAS, GRONDWOTS SAMPLING AND ANNUXUS FROTAMA,
JULY THROUGH SEPTEMBER 1989, MCCELLAN APB

	Action 1	U.S.EPA Primary MC	HH-23D	M-418	M+41S	<b>317-14</b>	EL KIMBER MI-41S	£63	N4-120	N <del>1-</del> 120	M-120	HH-120	M4-121
Ground Mateer Zone Ground Mateer Zone Date Sampled Sampled By Date Analysed Lab Flaid Analysis		!	MUST.E 07/2/88 RADIAN 07/25/88 SAC	SHALOH 07/13/88 RADIAH 07/14/88 SAC FDA 1DA	SENLICH 07/13/88 RADIAN 07/14/88 SAC FDA 128	SEWICH O7/13/88 O7/14/88 SAC FIB	SEMILON 07/12/88 08/09/88 08/09/88	10287 07/15/86 07/20/86 SAC	SENTCH 07/11/88 07/12/88 SAC FOA 1DA	SBALICH 07/11/88 PACSURI 07/12/88 SAC FOA LUS	SHALICH O7/11/86 WADLAN O7/12/86 SAC PTB	SEWICH 07/11/88 FACEN 08/02/88 CES	HUDELE 07/11/08 NADEAN 07/12/08 SAC
Chlorobersens 1,3-Dichlorobersens 1,4-Dichlorobersens 1,4-Dichlorobersens Bernare Ettylbersens Toluers	30 NG 130 NG 130 NG (LOQ)0.5 NG 7 5 660 NG	<b>化阻塞剂~ 医尿</b>	222222	222222	555555	222222	555555	222222		222222	222222	555555	555555

ALI UNITS ARE ug/1

PA = Manicoring Well

FIN = First field deplicate analysis

FIR = Second field deplicate analysis

IIN = First laboratory deplicate analysis

ILR = Second laboratory deplicate analysis

ND = Nothing detection LOQ = Limit of quartitation NE = Not established RATAN = Radian Corporation, Secramento GSS = Carala Baricomental Services SAC = Radian Amalytical Services, Secramento

Parameter	DOBS Action Lavel	U.S. BPA Primery MCL	M+122	M#-132	¥+132	M-132	MA-132
Ground Mateur Zone Date Sempled			DE22 07/18/88	DESP 07/18/88	DERP 07/18/86	DEEP. 07/18/86	D282P 07/18/88
Sampled By Date Aralysed			RADIAN 07/19/88	PADILAN 07/19/88	RADIAN 07/19/88	RADIZAN 07/15/88	MAZCAN (06/02/88
Lab Field Amilyeta			3	S &	3 8	3 8	8
Lab Analysis				á	9	)	
Aloxobersene	R	2	2	2	2	2	<b>8</b>
1,3-Dichlorobenene	130 NE	¥	2	2	Q	2	2
2-Dichlorobensers	130	2	2	2	2	2	2
.4-Dichlorobenens	00000	5.55	2	2	2	2	2
	۲.	'n	2	2	2	2	2
thylbersers	<b>6</b> 9	¥	2	2	2	2	2
dume	100	星	2	2	£	요	2

AL UNITS ARE ug/1

144 - Menteoring Wall

150 - First field deplicate analysis

178 - Second field deplease analysis

179 - First importory deplicate analysis

178 - Second laboratory deplicate analysis

MAILM = Radian Corporation, Secremento

CES = Carnie Braincamental Services

SMC = Radian Analytical Services, Secremento

ND = Nothing detected LOQ = Limit of quantitation NE = Not established

TABLE 1-22. INSTER LCS OF WELLS SAFELED FOR U.S. ETA OLY METHED 62A COPPOLING. FOR AREA B AND ADLACED OF BASE AREAS, CHONOMETER SAFELING AND ANALYSIS FROCKAM, JULY TROUCH SEPTEMER 1998, MCABLAN ATB.

National Part   National Par		2000	U.S.EPA				_	HELL NUMBER	
SSMILCH DESP SSMILCH SSMILCH SSMILCH SSMILCH O7/13/98 07/	Manater	Action Lovel	Primery AG.	M4-41S	59 #E	M4-120	M+120	<b>14-12</b> 0	M-132
No.   17.15   28.   07/13/88	Ground Mater Zone			SBALLOH	<b>a</b> aa	SHNTON	SHALLON	MOTINES	व्यया
No. 174   No.	Date Sempled			07/13/86	07/12/88	07/11/88	07/11/88	07/11/88	07/18/86
24C 54C 54C 54C 54C 54C 55C 54C 54	Sampled By			RADIAN	RADILAN	RADIAN	PADIAN	RADIAN	PACILAN
SKC SKC SKC SKC OSS  NA	Date Analyzed			02/19/88	07/28/88	07/16/88	07/16/88	07/23/88	07/28/88
Fig. 178  1. N.	4			Sec	S	Sec	380	Ø	38
No.	Field Amlysts					AD.	30 30 30 30 30 30 30 30 30 30 30 30 30 3		
No.	Lab Analysis								
## 10	hloconsthere	12	Ä	2	2	2	2	Q	2
1	commethene	<b>!</b>	Ä	2	2	2	2	2	2
## 10	'inyl chloride	~	٦.	2	2	2	2	9	2
## 10	hloroschene	¥	星	2	2	2	2	2	Q
No.	ectylene chloride	3	2	2	2	2	2	2	2
1	richlorofluoromethene	3,00	¥	2	£	2	2	2	<b>£</b>
## 13 35 8.5 8.1 10 10 10 10 10 10 10 10 10 10 10 10 10	,1-Dichlotoethere	9	1	2	2	2	2	2	2
## 13 35 8.5 8.1 ND 50 ND ND ND ND ND ND ND ND ND 50 ND ND ND 50 ND ND ND 50 N	,1-Dichloroethers	8	2	2	2	2	2	2	2
100   100	otal 1,2-Dichlocoethere	91	2	ដ	æ	8.5	8.1	2	R
No.	Aloreform	81	901	2	2	2	2	2	Q
No.	2-Dichloroethene	-	~	2	2	2	2	2	2
5	1,1-Trichlomethere	8	8	2	2	2	2	9	2
March   Marc	when tetrachloride	٠,	5	2	2	2	윤	2	2
## NO	randichlogamethere	8	8	2	2	2	2	2	2
S	2-Dichloropeopers	ឧ	坐	2	2	2	2	2	2
5 700 72 8.7 8.3 7.6  100 NO	zene-1, 3-dichloropropere	¥	黑	2	2	2	2	2	2
10	dehlorosthere	Š	•	92	z	8.7	8.3	7.6	92
### NO	bromochiocomethane	81	93	2	2	2	2	2	9
## NO	1,2-Trichlomethere	8	<b>2</b>	2	2	2	2	2	2
March   Marc	s-1,3-Dichloropropere	83	里	2	2	2	2	2	2
100   100	Chloroethylvinyl ether	¥	¥	2	£	2	2	2	£
### NO	ranciboan.	8	8	2	2	2	2	2	2
### 27 NO	1,2,2-Tetrachlocoethme	<b>¥</b>	¥	2	2	2	2	2	Q
## NO	etrachloroethene	4	吳	27	2	2	2	2	2
N	Alorobersene	æ	黑	2	2	2	2	2	2
### NO	KIZECIE	۲.	5	2	2	9	2	2	2
### NO	dylberzene	<b>9</b>	¥	2	2	2	2	2	2
### NO 31 NO NO NA	duere	901	¥	2	2	2	2	Ę	Q
E NO NO NO NO NO NO NO NA PER NO NO NO NA PER NO NO NA PER NA NO NO NA PER NA	atom	<b>2</b>	2	2	31	2	2	£	2
E NO NO NO NO NO NO NO NA PROPERTIES SECTIONS OR SECTION SECTIONS OF SECTION SECTIONS OF SECTION SECTIONS OF SECTI	arbon disulfide	¥	¥	2	2	2	2	£	2
E NO NO NO NO NO NA PARTEN PAR	Butanone	¥	¥	2	2	2	2	≨	2
RAULM = Radian Corporation, Secremento NO GES = Carrile Bulicomental Services NA	iryl acetate	2	<b>9</b>	2	2	2	2	¥	92
MALLIN = MALLER CONDUCTATION, SECRETARIO IN CAS = Centrale Entremental Services IN	11. UNITS ARE ug/1								
CES = Certain Environmental Services IM	- Monitoring Well			2 (	ULAT = Kanzan	Corporations,	Secrements.	•	IN M NOUNTRY OBJECTIONS
	M = First field deplicat	e amalysis	_	8		· Evitament	al Services		MA = NOT analyzed

	SHS SHS	U.S. EPA	_			9		
Parameter	Action	Prinary MC.	M4-41S	M+63	M+120	<b>₩</b> +120	M+120	M-132
Ground Mateer Zone			MOTIMES	<b>330</b>	MOTIMES	SHALLOW	MOTIMES	430
Date Semiled			07/13/88	07/15/88	07/11/88	07/11/88	07/11/88	07/18/88
Sampled By			RADIAN	RADILAN	PADIAN	RADIAN	RADIAN	PACITAN
Date Analyzed			07/19/88	07/28/88	07/16/88	07/16/88	07/23/88	01/28/98
4			Sec	SEC	Sec	SAC	S	SAC .
Field Amlysis					<b>8</b>	<b>30</b>		
Lab Analysis								
2-Besences	¥	7	2	£	2	2	≨	Q
4-Methyl-2-pergaran	¥	爱	2	2	2	2	≨	æ
Stytome	¥	¥	2	2	2	2	≨	2
Total Mylenes	¥	2	¥	£	¥	Œ	£	2
AL INITS AE ug/1			2	OTAN - Padlar	1 Corporation,	Secremento	-	Nothing detected
FIA - First field deplicate analysis	ate amalyst		8	S - Cerond	e Brykament	al Services	-	R = Not reported
FIB - Second field deplicate analysis	cate analys	si	Œ	SAC - Radian Analytical Services, Secremento	Analytical S	ervices, Secr	antento	W = Not analyzed
							•	

TARE 1-23. MISTER LOS OF WELLS SAMPLED FOR U.S. DIA METRO 625 COMPOUNDS FOR AREA B AND ADJACENT ON-BASE, AREAS, CRONDIANTER SAMPLING AND ANALYSIS PROGRAM, JULY THROUGH SEPTEMBER 1988, MICHELIAN AFB

Parameter	Action Level	Primary M4-41S MC.	<b>S</b> -41S	φ <b>Ž</b>	<b>74</b> -120	<b>1</b>	021- <b>1</b> 20	M-112
Ground Water Zone			SHALLOW	230	MOTIMAS	SHALLOW	SHWIGH	
Para Semilar			07/13/88	A84/51/40	07/11/98	07/11/88	07/11/88	07/18/98
Semilar P			RADIAN	RACITAN	RADIAN	PADTAN	PANTAN	A LUAN
Date Analyzed			07/26/88	07/25/88	07/25/88	07/25/88	07/23/88	09/10/98
<b>4</b>			SAC	SKC	Sec	9	8	<b>38</b> 5
Field Amlysis				!	é	<b>1</b>	ļ	
eisylsalysis								:
1,3-Dichloroberzene	06.1	Ä	2	2	2	2	2	Q
1.2-Dichlorobergere	23	¥	2	2	2	2	2	2
1,4-Dichlorobergere	¥	£	2	2	2	2	9	9
Acerustichere	9	<b>E</b>	2	2	2	2	2	9
1,2,4-Trichlombersene	¥	¥	2	2	2	2	2	Q
Heach orobersone	¥	¥	2	2	2	2	2	2
Hemohloroethane	<b>9</b>	9	<u>Q</u>	2	£	2	2	2
Bis(2-chlocoettyl)ether	띛	里	2	2	2	2	2	2
2-Chloecongstethaloera	2	Ħ	2	2	2	2	2	2
3,3'-Dichloroberzidine	¥	<b>E</b>	2	2	2	2	2	2
2,4-Dinitrotolume	2	¥	2	2	2	2	2	£
2,6-Dinitrotolume	¥	<u>¥</u>	9	2	2	2	2	2
Fluorenthere	2	¥	2	2	2	2	2	2
4-Culocopharyl pharylether	2	¥	2	2	2	2	2	2
N-rut mosodimethy Lantine	里	里	¥	£	≨	ź	2	¥
N-nitroeodi-n-propylamine	<b>¥</b>	Æ	2	£	2	2	2	£
Bis(2-ethylhesyl)phthalate	<b>2</b>	¥	2	2	2	2	2	2
Barylberzyl pirchalate	¥	2	2	2	2	2	2	92
Di-ri-batyl phthalate	2	¥	2	2	2	2	2	£
Di-n-octyl phthalate	¥	¥	2	2	2	2	2	2
Diectry phthalate	¥	更	2	£	2	2	2	2
Dimethyl phthalate	¥	<b>¥</b>	2	2	<del>2</del>	2	2	2
Berzo(a) arthracene	Έ	¥	2	2	2	2	2	Q
Ветер(а)ругете	¥	¥	2	2	2	2	2	2
Berzo(k) fluoranthere	<b>Z</b>	¥	2	2	2	2	2	2
Onysare	Ħ	<b>2</b>	2	2	£	2	2	2
Acenephtlylere	里	¥	2	2	2	2	2	2
Arthracene	(100)0.7	7 26	2	æ	2	2	2	2
Bis (2-chloroethosy)methane	<b>2</b>	里	2	2	2	2	2	Q
Hereschlorcbutediene	¥	¥	2	£	2	2	2	Q
Hanchlorocyclopartadiene	¥	2	2	2	2	2	2	Q
ALL UNITS ARE UR/1								
M Manitoring Well			2	RADIAN = Radian Compration. Secramento	Comorat ion.	Sacramento		ND = Nothing detected
TA - First field drolloats	e amelyati		: כ	(3)	= Carrolle Produzentes Sendoes	Sections la		* Not amplyzed
FIR = Severy field designate analysis	to analys		7		= Bodian Amintical Sendose Servanento	S very		(M) = Limit of quantitation
		1	3					

TABLE 1-23. (continued)

Harmany   Hab-415		<b>SE</b>	U.S.EPA				¥	HELL NIMBER	
Sec. 250. 250. 250. 250. 250. 250. 250. 250	Parameter	Act ion Love i	Primary M.L.	MH-41S	<b>M</b> +63	M+120	<b>№</b> -120	M+120	H4-132
Major   Majo	Ground Water Zone			SHATOL	degal	SHW1/Cu	SEWION	SIMICA	1889
No.   No.	Date Sampled			07/13/86	07/15/88	07/11/88	07/11/88	07/11/88	07/18/88
No.   No.	Sempled By			RADIAN	RADIAN	RADIAN	PADIAN	RADIAN	PACITAN
No.   No.	Date Aralyzed			03/32/88	07/25/88	07/25/88	07/25/88	07/23/88	09/10/88
Fig. 18. 18. 19. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	<b>1</b>			SMC	Si	Sec	SAC	8	33
No.   No.	Field Amlysis					Æ	82		
NE   NE   NO   NO   NO   NO   NO   NO	Lab Amalysis								
	Isotherore	12	9	Q	£	£	2	2	2
	Natichalone	<b>M</b>	<b>9</b>	2	9	<del>2</del>	2	2	2
	Nitrobersera	<b>Y</b>	<u>w</u>	2	2	2	2	2	2
	Penethvers	2	<b>9</b>	2	2	2	2	2	2
	Diberac(a,h) archizotra	¥	¥	2	2	2	2	2	2
N. C.   N. C	Indeno(1,2,3-cd)pyrers	2	¥	2	£	2	2	2	2
N. C.   N. C	Pyrane	æ	<b>3</b>	2	2	2	£	2	2
N. C.   N. C	2,4,6-Trichlocophanol	¥	¥	2	2	2	2	2	2
F. F.   F. F. F.   F	2-Chlorophanol	¥	<b>2</b>	2	2	9	2	2	2
4.00   1.00	2,4-Dichlorophenol	¥	<b>¥</b>	2	2	2	2	2	2
NE   NE   NO   NO   NO   NO   NO   NO	2,4-Directly internal	9	Ħ	2	2	5	2	2	2
N. C.   N. C	2-Nitropherol	2	<u>¥</u>	2	Q	2	2	2	2
NE	4-Nitrophenol	2	¥	2	2	2	2	2	2
20   KE   NO	2,4-Dinit exphenal	¥	<u>w</u>	2	2	2	2	2	2
N.	Percachlocophenol	8	<b>2</b>	2	2	2	2	2	2
N.	Phanoi	¥	<b>¥</b>	2	2	2	2	2	2
HE HE HE HA	N-nitrosodiphery Lemins	¥	냋	2	2	2	2	2	2
there ME ME NO	Benzidine	¥	2	ž	£	£	£	<del>Q</del>	×
No.   No.	4-Bromphary pharylether	¥	¥	2	2	2	2	£	Q
KE   KE   KD   KD   KD   KD   KD   KD	Bis(2-chlorolsopropyl) oth	¥	¥	2	2	2	2	2	2
NE   NE   NO   NO   NO   NO   NO   NO	Berno(g,h,1)perylene	¥	<u>w</u>	2	2	2	2	2	Q
No.   No.	Fluorens	¥	¥	2	2	2	2	Ê	Q
March   ME   ME   MO	4-Chloro-3-methylphenol	¥	¥	2	2	2	2	£	2
NE   NE   NA   NA   NA   NA   NA   NA	4,6-Dinitro-2-methylpherol	<u>.</u>	¥	2	£	2	2	£	2
HE   HE   ND   ND   ND   ND   ND   ND   ND   N	Antline	¥	里	£	£	≨	£	¥	¥
NE   NE   NO   NO   NO   NO   NO   NO	Bergyl alcohol	¥	Ή	2	2	2	2	£	2
NE   NE   NO   NO   NO   NO   NO   NO	2-Methylphenol	¥	¥	2	Q	2	2	2	2
NE   NE   NO   NO   NO   NO   NA   NA   NA   NA	4-Methylphenol	¥	<b>2</b>	2	9	2	2	2	2
NE   NE   NO   NO   NO   NO   NO   NO	Bersolc acid	¥	星	2	2	9	2	ź	2
NE   NE   ND   NO   NO   NO   NO   NO   NO   NO	4-Chloroent I Ine	2	¥	2	9	9	2	*	2
NO N	2-Methylmethylane	<b>9</b>		9	9	9	2	9	2
RADIAN = Radian Corporation, Secramento NO Recent analysis CES = Camorde Byriconsertal Services NA solution Analysical Services, Secramento NE	2,4,5-Trichlocophenol	¥	2	2	2	2	2	9	2
NALLAN = Radian Coporation, Secramento NO Licete analysis GES = Canonie Byticomental Services NA al Loute analysis SW: = Radian Analytical Services, Secramento NE			-						
NO RADIAN Corporation, Secramento NO (25 m. Canonie Brytomental Services NA pilome analysis SAC m. Radian Analytical Services, Secramento NE	ALL UNITS ARE UR/1								
(ES = Canonie Byvironmental Services NA SNC = Radian Analytical Services, Secremento NE	M - Manitocing Wall			Z	VIAN - Redien	Corporation,	Secremento	~	ND = Nothing detacted
SAC = Radian Analytical Services, Sacramento NE	FDA = First field deplicat	a analysts	_	ď		e Bivicoment	al Services	-	NA = Not analyzed
	FIB = Second field deplica	te analysi	5	ð		Analytical S	ervices, Sacr		NE = Not established

## RADIAN

MRE 1-23. (continued)

Parameter	DOBS Action Lovel	U.S.EPA Primery M.L.	M-41S	19 <del>-19</del> 4	M-120	¥+120	NETT NAMES	H+132
Ground better Zone Data Sumpled Sumpled By Data Amalyand Lab Flaid Amalyais Lab Amalyais			SENTION 07/13/88 RADIAN 07/26/88 SAC	1022P 07/15/88 RAULAN 07/25/88 SAC	SBALICH 07/11/88 PADIAN 07/25/88 SAC FDA	SHALLON 07/11/88 PADTAN 07/25/88 SAC FUB	SHALICH 07/11/86 RADIAN 07/22/86 CES	DESP 07/18/88 NATUN 08/10/88 SAC
2-Nitrouniina 3-Nitrouniina Diberackan 4-Nitrouniina Berac(b) Elucaratera	N N N N N	8 8 8 8 8	22222	22222	22222	22222	<b>1111</b>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
AL UNIS ME vy/! 199 = Hentocing (bil) 178 = First field deplicate ambysis 178 = Secret field deplicate ambysis	ate aralysi cate aralys	, 3	2 8 8 S	RMILAN = Radian Comporation, Sacramento CES = Caronia Bruiromental Services SAC = Radian Analytical Services, Sacramento	Corporation, e Baricormen Analytical S	Secremento al Services services, Seci		ND = Nothing detected NA = Not amalyzed NE = Not established

TABLE 1-24. MASTER LICE OF MELLS SMPLED FOR PRIDKTLY POLLITANT MEMAS AND OTHER INDICAMIC COPPOUNDS FOR MEAN & AD ADMORT OF BASE AREAS, CRONDINGTER SMPLING AND ANALYSIS FRORM, JULY THOUGH SEPTEMBR 1988, MCCRILAN APB

Portuneter	Met lan	U.S.EPA Primary M4-121 MT	H-121	
Ground Marker Zone			37000	
Date Sampled			0/11/8	
Sempled By			RADIAN	
Date Analyzed				
4			SIC	
Field Aralysis				
Lab Analysis				
Artimary	Ā	Ä	2	
Acsenic	¥	0.050	2	
Decyllin	7	¥	2	
Cardentum	<b>3</b>	0.010	2	
Checondian	Æ		0.018	
Cupper	麗		2	
1	麗	0.050	2	
Amount	¥	~	2	
Nicioni	¥		0.060	
alembras .	2	0.010	2	
Liver	¥		2	
Thellin	¥	<b>9</b>	2	
	Ħ	및	0.009	
Placemen	¥	2	2	
Calcium	<b>3</b>	¥	Q	
Chloride	¥	<b>Y</b>	9	
Cartorate	¥	2	2	
Iron	2	¥	Q	
Bicarbante	¥	¥	2	
Megnesium	2	2	2	
Sodium	2	2	2	
Sulface	¥	2	2	
Bertim	¥	1.0	2	
ferganese	<u>w</u>	¥	<del>Q</del>	
Total Albalinity	¥	¥	2	
Micrate	¥	3	2	
Total Dissolved Solids	2	Æ	Q	
ALL UNITS ARE mg/1				
- Mandtooring Well				
			SAC = Radian Analytical Services. Serramento = NE = Not established	

TABLE 1-25. PASTER LICE OF WELLS SAMPLED FOR U.S. DEA WEIGHD SAFOLIO CHROLINGS.
FOR AREA B AND ADJUSTIC CH-BASE AREAS, CHOUGHOUTER SAMPLING AND ANALYSIS FROCKMI,
JULY THOUGH SEPTEMBER 1988, HCLEALAN APB

Parameter	DOSS Action Level	U.S.EPA Primary 164-120 P.C.	N4-120	M4-120	HELL NIMER NH-120	
Georal Meter Zere Date Sexpled Sexpled By Date Analyzed Lab Field Analyzes Lab Analyzes			SEMILOH 07/11/88 RADIAN 07/14/88 SAC FDA	SENIION OT/11/98 RADIAN O7/14/98 SAC FIB	SENTLON 07/11/88 NACIONN CDS	
Total cyenide Amnable cyanide	0.200	0.200	22	22	K K	
Al LUGIS ARE mg/l  M Monitoring Mall  Fig. First field deplicate armlysis  Fig Cond. digld And fonce armlysis	ate aralysis		203	DIAN = Padlan S = Cenan C = Pedlan	RADIAN = Radian Corporation, Secremato CSS = Cennule Bediconsatal Services SAC = Radian Analytical Services, Secremato	N) = Nothing detected NA = Not emplyand

TABE 1-26. IMSTER LICE OF WELLS SAMPLED FOR U.S. EYN METHED 601 COMPUNING FOR THE SUTHMEST MEEN, CHOUNDINGER SAMPLING MED ANALYSIS FROCKAM, JULY THOUGH SEPTEMERR 1968, MCLELLAN AFT

Permeter	Action Level		U.S.PM Primery M4-1000 NG.	<b>14-</b> 1011	M-1005	M-1006	1020	M-1021	M4-1022	M-1022	M+1022	M+1022	M+1023
Ground Marter Zone			MODELE	MOTIVES	MODE	SENTION	NOT WES	MOTOMBS	MEDIE	MODELE	MODE	MINE	SEWLON
Date Samled			07/15/88	07/15/88	07/15/88	07/19/88	07/15/88	07/19/88	07/19/88	07/19/88	07/19/88	07/19/88	07/06/88
Sempled By	•		RADIAN	RATITAN	RADIAN	PADIAN	RADIAN	RADITAN	PADIAN	PADIAN	RADIAN	PADITAN	PADIAN
			02/30/88	AB/06/20	07/20/88	M2171/88	07/20/BB	03/27/98	03/2/1988	M8/12/20	08/12/20	A8/06/70	A87/11/68
			S C	Sec	3	260	SAC	36	) ) )	) ) )	S	K	S
Pield Amilanie			1	<u>:</u>			1	1	8	4	8	ì	
Lab Aralysis									Ē	15	!		
Ohloromethere	2	<b>3</b> 2	2	2	2	2	2	2	2	2	2	2	2
Becomechane	<u> </u>	2	9	9	2	2	2	2	2	2	2	2	2
Viral chloride	٦	۱,-	2	£	2	2	2	2	2	2	2	2	2
Otlocosthans	¥	¥	2	2	2	2	2	2	2	2	2	2	오
Martylane chloride	3	띺	2	2	₽	2	2	5	2	2	2	2	오
Trichlorofluorosthene	970	1	2	2	2	2	2	2	2	2	2	2	2
1,1-Dichloroschens	•	7	2	2	2	2	2	2	2	2	2	2	2
1.1-Dichloroethere	ล	爱	2	2	2	2	2	2	2	9	9	2	2
Total 1,2-Dichlocosthers	91	爱	0.160	2	2	2	0.11C	1.00	3.18	3.18	3.70	2	2
Chlorofoun	8	901	5	£	2	ē	Ą	0.20C	0.1ZP	0.10P	0.10P	2	2
1,2-Dichloroethere	-	•	2	2	2	2	£	2	₽	욮	2	ð	2
1,1,1-Trichlomethere	8	8	2	2	2	2	0.260	2	2	2	2	2	웆
Carbon tetrachloride	5	٠,	2	2	2	2	2	2	2	2	2	2	皇
Bromodichilocomethere	8	8	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichloropores	91	Ή	2	2	2	2	2	윤	2	2	2	2	2
Trans-1, 3-dichloropropers	<u>u</u>	딸	2	2	2	2	2	2	<b>9</b>	Q	£	£	오
Trichlorosthers	٠,	ۍ	2	£	2	Q	2	180	a	<del>d</del>	9.76	<b>9</b> .3C	윷
Dibranchlorcosthers	<b>6</b>	텱	2	£	£	2	2	2	2	2	2	2	2
1,1,2-Trichlocoethers	8	일	2	2	2	2	2	2	£	2	2	2	2
cis-1,3-Dichloroperpers	8	¥	2	2	£	2	Q	2	2	2	2	2	2
2-Chloroethylvinyl ether	¥	띺	2	£	£	2	£	£	2	2	£	2	오
Bromofinen	8	ğ	2	2	2	2	2	2	2	2	£	£	2
1,1,2,2-Tetrachlocoethers	¥	巢	2	£	2	2	2	2	£	2	£	£	2
Tecrachlomethere	4	¥	2	£	2	2	2	1.80	0.869	2	9.0	2	2
Chlorobersens	8	Ή	2	£	2	£	2	2	2	0.80P	2	2	£
1,3-Dichlorobensers	130	¥	2	2	2	2	2	£	2	2	£	Q	2
1,2-Dichlorobersers	6 <u>7</u>	¥	2	2	2	2	2	2	2	2	2	Q	2
1,4-Dichlorobersers	(LCQ)0.5 NE	5 36	£	2	2	2	2	2	2	2	Q	Q	2
ALL UNITS ARE ug/1													
Me - Menitoring Well			æ	RADILAN - Redian	- Radian Comporation, Secremento	Secremento		O = Nothing detected	detected				
FDA = Pirst field deplicate srelysis	a enelysic	•	ð		- Centrale Brylavamental Services	al Services	•	C = Amalysis	- Analysis confirmed in second column analysis	n second colun	n analysis		
FIB = Second field deplicate analysis	te erelys:	2	æ		= Redian Amalytical Services, Secremento	ervioes, Sac		IOQ = Limit of quantitution	Countitation				
LDA = First laboratory duplicate analysis	Licete en	alysis						Por RC = Identity poeviously confirmed	ertity poevlo	aly confirme	_		
•													

	SHO	U.S.EPA	ğ	MELL NIMER	
Parameter		ğ	HILL THE	C711-44	
Geound Mar - c Zone			MERCE	1935	
Date Samued			07/08/88	07/08/88	
Se pled By			RADIAN	RACITAN	
Date Analyzed			07/11/88	07/11/88	
3			SAC	Sec	
Pield Aralysis					
Lab Aralysis					
Chloromethers	<b>W</b>	¥	2	Q	
Bosnosethers	<b>1</b>	*	2	2	
Virgi chloride	7	-	2	Q	
Olocoethere	鼍	¥	2	Q	
Methylens chlorids	3	里	2	Q	
Trichlocofluocomethers	36	빛	9	Q	
1,1-Dichlocoethene	9	7	2	2	
1,1-Dichloroethens	8	¥	2	Q	
Total 1,2-Dichlocoethers	91	更	2	2	
Chlosofosm	8	8	2	Q	
1,2-Dichlocoschens	-	ş	9	£	
1,1,1-Trichlomethene	88	8	2	£	
Carbon tetroschloride	5	•	2	2	
Beamodichionemethene	8	9	2	Q	
1,2-Dichloropropers	2	2	2	£	
Towns-1, 3-dichloropeopens	¥	¥	2	£	
Trichloroethers	٠,	•	2	2	
Dibeomochloecemechane	8	8	2	2	
1,1,2-Trichlocoethere	8	¥	2	Q	
cis-1,3-Dichloropoopers	84	¥	2	Q	
2-Chloroethylvinyl ether	띺	2	2	Q	
Bronchoem	8	901	2	Q	
1,1,2,2-Tetrachlomosthans	¥	<b>2</b>	2	Q	
Tetrachlocoethere	4	¥	2	£	
Chlorobernens	æ	<b>2</b>	2	Q	
1,3-Dichlorobensens	051	2	2	2	
1,2-Dichloroberman	130	<b>2</b>	2	2	
1,4-Dichlorobensers	(100)0.5	<b>3</b>	2	Q	
AL UNIS AR 18/1 14 - Minitoring Hall			RADI	RADIAN = Radian Omporation, Secremento SAC = Radian Analytical Services, Secremento	NO = Nothing detected  LOS = Linit of questing in
					IN MICH CELEBOTISMEN

TABLE 1-27. MASTER LGG OF WELLS SAMELED FOR U.S. ETA METHOD 602 COMPUTADOR FOR THE SOUTHWEST AFEA, GROUNLANTER SAMELING AND ANALYSIS FROCKAM, JULY THROUGH SEPTEMBER 1999, MCCELLAN AFE

	DOES	U.S.EPA				**	AL NAMED						
Pacronal.ec	Action Lavel	Prince,	M4-1000	M+1011	M-1015	r#-1016	MH-1020	M+1021	M+1022	M+1022	M+1022	M-1022	M+1023
Ground Macar Zone			MEDIE	SHILLOL	MODE	SHALLON	MOTARS	SENTION	MODE	MEDIE	XIIIX	MODE	SEWILOW
Date Sempled			07/15/88	07/15/88	07/15/88	07/19/88	07/15/86	07/19/88	07/19/88	07/19/88	07/19/88	07/19/88	07/08/88
Sempled By			PADIAN	RADILAH	PADIAN	MVICHE	RADIAN	PADILAN	PADIAN	PADIAN	RADIAN	RACITAN	RADIAN
Date Analyzed			07/20/88	07/20/88	07/20/88	07/27/88	07/20/88	07/21/88	07/21/88	07/21/88	07/21/88	07/29/88	07/11/88
3			SAC	Sec	Sec	Sec	SAC	3	SKC	Sec	SEC	8	SAC
Field Amlysis Lab Amlysis									ēš	<b>5 5 5</b>	£		
Chlorobensers	æ	2	2	2	2	2	£	2	2	S	2	2	Q
1,3-Dichlorobensens	001	¥	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichlorobersere	2	뗉	2	2	2	2	2	2	2	2	2	2	£
1,4-Dichlocobensers	(LOQ) 0.5 NE	5	2	£	2	2	2	2	2	2	2	2	2
Bernema	.7.	•	2	2	2	2	2	2	2	2	2	2	2
Ethylbersers	98	2	2	2	2	2	2	2	2	2	2	2	£
Tolumne	8	¥	2	욮	2	2	2	2	0.31C	£	0.345	2	<b>Q</b>
ALL UNITS ARE ug/1  M = Menteoring Wall  FM = First field deplicate sealysis  FM = Secret field deplicate sealysis  LM = First laboratory deplicate sealysis  LM = Second laboratory deplicate sealysis  LM = Second laboratory deplicate sealysis	nes embyst. Lone embyst. Applicate en daplicate en	s is elysis	203 	NOLAN = Radian Corporation, Secremento CES = Caronie Brutzomental Services SAC = Radian Amalytical Services, Se	o Corporation, le Environment n Analytical (	Radian Corporation, Secremento Cenonia Environmental Services Radian Analytical Services, Secrement	,	NO = Nothing C = Analysia LOQ = Limit of P or PC = Ids E = Not esta	detected s confirmed in f quantitation artity provious bilidad	NO = Nothing detected C = Aralysis confirmed in second column analysis LIDR = Limit of quantitation P or RC = Identity previously confirmed NE = Not established	m analysis i	; ;	

Parameter	DOBS Action Lavel	U.S.EPA Primary M4-102A MC.	M+102A	HELL NAMER	
Ground whese Zone Dates Sampled By Dates Amalymed Lab Flaid Amalymia			MITTE 07/08/88 RADIAN 8A/11/88 SAC	DTERP 07/08/88 RADIZAN 07/11/68 SAC	
Chlorobersers 1,3-Dichlorobersers 1,4-Dichlorobersers 1,4-Dichlorobersers Bersers Ettylbersers Toluses	30 130 130 130 130 130 130	<b>3335</b> 233	2222222	222222	

ALL UNITS ARE ug/1 M4 = Menteoring Well

ND = Nothing detected LOQ = Limit of quartitation NE - Not established

RAULAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

TABLE 1-28. INSTREAD OF WELLS SAMPLED FOR PREDRICK PALLIDWIT MELLS AND OTHER INFICANCE CHACANIS FOR THE SUITIBIEST AMEN, CRUMINATER SAMPLING AND ANALYSIS PROGREM, JALY THROUGH SEPTEMBER 1988, MACHELAN AFB

	200	U.S.EPA	U.S.EPA LEGAL MARER
Parameter	Action	Primery Ap.	79 NH-1016
Ground Matter Zone			NOTAS:
Date Sempled			07/19/88
Sempled By			RADIAN
Date Analyzed			
4			SAC SAC
Field Aralysis Lab Aralysis			
Atimay	Ä	ñ	
Actendo	띺	0.050	_
Berylliun	¥	¥	
Cardminm	¥	0.010	
Carconium	9	0.050	0.008
Copper	Ä	¥	
Į	Ä	0.050	
Mercury	2	0.002	
Nichel	¥	¥	
Selenium	ij	0.010	₩.
Silver	<b>W</b>	90	
Thellim	¥ !	<b>y</b> !	
Zinc	¥	<u>w</u>	_
Fluorens	<b>y</b>	<b>Y</b>	2:
Calctum	¥	¥	2
Chloride	Ή	¥	2
Carbonate	¥	Ä	2
Iron	<b>2</b>	2	2:
Bicarborate	2	¥	2
Magnestim	¥	Œ.	Q
Sodium	¥	里	<del>Q</del>
Sulfate	¥	¥	<b>Q</b>
Bertum	Æ	1.0	2
Hangarasse	2	¥	Q
Total Albalinity	Ħ	<b>Y</b>	2
Witrate	¥	3	2
Total Dissolved Solids	¥	Ħ	2
ALL UNITS ARE mg/1 MM = Ministering Well			1 2

THRE 1-29. INSTEM LCG OF WELLS SWILLD FOR U.S. EYN MENED SHOOLD CHROLING FOR THE SOUTHEST MEZA, GROUNDHITR SMILLING MID MALKSIS FRORMM, JULY THOUGH SEPTEMER 1988, MCCELLAN APA

Parameter	DOAS Act ion Lavel	U.S.EPA Primary M4-1000 M3.		WELL NUMBER	
Groatd Mater Zone Date Sumpled Sumpled By Date Aralyzed Lab Field Aralyzes Lab Aralyzes		MUTATE 07/15/88 07/15/88 RADIAN 07/27/88 SAC		SHILLSH 07/15/88 8ACIAN 07/27/88 SAC	
Total cyanide Amemble cyanide	0.200	0.200 ND 0.200 ND		Q. Q.	
AL UNITS ARE mg/1 Ma = Manitoring Hell			PACE	RADIAN = Radian Corporation, Secremento NO = Nothing detected SAC = Radian Analytical Services, Secremento	4

TARE 1-30. INSTENTIC OF MELLS SWIFTED FOR U.S. ETA HEIRTO GOT COMPOUNDS FOR AREA C. AND ADJACENT CHERASE AREAS, CHOINDANTER SAFELTIC AND ANNIXES FROCKAM, JULY TROUCH SEPTEMER 1989, MCJ.BLAN APB

	200	U.S.EM	_			32							
Parameter	Act ion Level	Primery FC	Primary M4-200 M3.	M-ZID	M-21S	<b>₹</b>	#+338	MI-33S	H+338	M+336	¥F-365	¥-36S	¥+-36S
Ground Water Zone			MEDIE	MEDIE	SHALLOH	23	SENTON	MOTIMAS	SENTON	SHATON	SEWILON	SENTION	MOTIMES
Date Sampled			03/13/88	07/118/88	07/26/88	07/14/88	07/21/88	07/21/88	07/21/88	07/21/88	07/11/88	07/11/88	07/11/88
Sempled By			RADIAN	RADILAN	RADIAN	PADIAN	RADIAN	RADILAN	RADIAN	MADIAN	RADIAN	RACITAN	RADIAN
Date Analyzed			07/14/88	07/19/88	07/27/88	07/18/86	07/25/08	07/25/88	07/25/88	08/10/88	07/13/88	07/13/88	07/14/88
3			Sec	SAC	38	SkC	S	S	Sec	8	SVC	SKC	3
Field Arelysis							Ę	AGA A	<b>8</b> 2		Ę	V.	80
Lab Aralysis							<b>Š</b>	<b>8</b> 73			49	<b>8</b>	
	1	9	9	9	5	5	5	5	9	5	5	9	٩
	ē i	£ 9	2 9	2 9	5 6	2 9	5 8	2 9	5 5	5 8	2 9	2 9	2 9
Secundanthans	¥ .	¥.	2 !	2 !	2 9	2 !	<b>2</b> !	2 9	2 9	2 !	2 9	<b>2</b> !	2 !
Virgil chloride	N	-	2	2	2	2	2	2	2	2	2	2	2
Chloroethene	¥	¥	2	2	2	2	2	2	2	2	2	2	2
Mattylene chloride	3	里	2	2	2	2	2	2	2	3098	2	2	2
Trichlocofluctomethers	3400	¥	2	2	2	2	2	2	2	2	ZC	180	SIC
1,1-Dichloroethere	9	7	2	2	2	2	2	2	2	2	5	2	2
1,1-Dichloroethane	a	2	2	2	2	2	2	2	440C	2	2	2	2
Total 1.2-Dichloroethere	16	2	2	2	1.38	2	2300	8	2000	2	2	2	9
Orloroform	8	9	2	2	0.24P	2	2	2	5	2	9	2	2
1,2-Dichloroethere	-	٠,	2	2	2	2	¥90C	2300	2	2	ē	2	2
1,1,1-Trichlomethene	8	200	2	2	2	2	2	2	2	2	2	2	2
Carbon tetrachiloride	'n	S	2	2	2	2	2	2	2	2	2	2	2
Bromodichlocomethene	8	100	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichloropinpers	ឧ	¥	2	2	2	2	2	2	2	2	2	2	2
Trans-1, 3-dichloropropene	Æ	¥	2	2	2	2	2	2	2	2	£	2	2
<b>Erichlorosthene</b>	s	'n	2	2	1.IP	2	30000C	32000C	28000C	38000C	2.50	2.1C	2.50
Dibranchloromethere	907	9	2	2	2	2	2	2	2	2	2	2	2
1,1,2-Trichlomoethans	130	里	2	2	2	2	2	2	2	2	2	2	2
cis-1,3-Dichloropropers	28	2	2	2	2	2	2	2	2	2	£	2	2
2-Chloroethylvinyl ether	<u>w</u>	¥	2	2	2	2	2	2	2	2	2	2	오
Becamboun	92	91	2	2	2	2	2	2	2	2	£	2	2
1,1,2,2-Tetrachlocoethere	Ä	¥	2	2	2	2	2	2	2	2	2	2	2
Tetrachlocoethene	4	띭	2	2	2	2	2	2	2	2	0.250	0.2g	0.20
Chlorobernense	æ	¥	2	2	2	2	2	2	2	2	Q	2	2
1,3-Dichlorobenene	130	밀	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichlorobensers	130	¥	2	2	2	2	2	2	2	2	2	2	2
1,4-Dichlorobergere	(LOQ) 0.5 NE	5 E	2	2	2	2	2	2	2	2	2	2	2
ALL UNITS ARE UB/1													
MW - Monitoring Well			2	₹	- Radian Corporation, Secremento	Secremento		ND - Nothing detected	detected				
FDA = First field deplicate analysis	e aralysis	_	đ	OES = Cercent	- Canonie Environmental Services	al Services		C * Amalysis	s confirmed in	* Analysis confirmed in second column analysis	m enalysis		
FIB - Second field duplicate analysis	te analysi	<u>.</u>	đ		Armalytical S	- Radium Amalytical Services, Sacramento		100 - Limit of quantitation	f questitatio	e			
LDA = First laboratory duplicate analysis	dicate and	dysts						Por FC = Identity previously confirmed	maily poevio	usly confirms	_		

\_\_\_\_

	2018	U.S.EPA				9	WELL NUMBER						
	Action	Primary	Primary N4-36S	MH-44S	S77-F4	99-15	<b>15</b>	<b>7</b>	₩+75	M+107	M+108	<b>M-1</b> 09	M-110
Parameter	[ag	렃	i										
Ground Water Zone			SEWILOW	MOTIMES	SENTION	MOTIMES	MOTIVES	MOTANS	MODIE	MOTIMAS	MOULE	200	SEWICH
Date Sampled			07/11/88	07/20/88	07/20/88	07/20/86	07/20/88	07/26/88	07/20/86	07/12/86	07/12/88	07/12/88	07/25/88
Sempled By			RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADIAN
Dute Analyzad			08/05/88	07/22/88	07/22/88	07/22/88	07/22/88	07/27/88	07/22/88	07/13/88	07/13/88	07/14/88	07/26/88
4			8	SK	3	36	SKC	SAC	9	380	Sk	9	3
Field Arelysis													
Lab Analysis				Š	<b>8</b>					i			
Chloremethers	¥	¥	2	2	2	æ	2	2	2	2	2	2	2
Bomonethane	¥	里	2	2	2	2	2	2	2	2	2	2	2
Viryl chloride	~		2	2	2	2	2	2	2	2	2	2	2
Ollocoethere	3	*	2	2	Q	2	2	2	2	2	2	2	2
Methylene chloride	3	2	2	2	2	2	2	2	2	2	2	2	2
Trichiorofluoromethene	3400	2	300	2	2	2	2	2	2	2	2	2	2
1,1-Dichloroethere	•	7	2	95. 4	2	2	2	2	2	2	2	2	2
1,1-Dichlocoethere	R	<b>E</b>	2	2	<b>5</b> .50	2	2	2	2	2	2	2	2
Total 1,2-Dichloroethere	16	更	2	2	2	2	0.1 <b>3</b>	0.30P	2	2	2	2	2
Chloreform	8	93	2	2	2	2	2	2	2	2	2	2	2
1,2-bichlocoethers		•	2	2	2	2	2	2	2	2	2	2	2
1,1,1-Trichlomethme	g	8	2	2	2	2	2	2	2	2	2	2	2
Carbon tetrachloride	<b>د</b>	•	2	2	2	2	2	2	2	2	2	2	2
Bromodichloromethene	8	9	2	2	2	2	2	2	2	2	2	2	2
1,2-bichloroporpere	2	2	2	2	2	2	2	2	2	2	2	2	2
Trans-1, 3-dichloropropene	2	哥	2	2	2	£	2	2	2	2	2	2	2
Trichlorosthere	'n	S	2	<b>0</b> .0	1.10	2	7. <b>%</b>	<b>6</b> 4	<b>3</b> 6	2	2	2	2
Dibromochloromethers	90	92	2	2	2	2	2	2	2	2	2	2	2
1,1,2-Trichlomethme	8	2	2	2	2	2	2	2	2	2	2	2	2
cis-1,3-Dichloropropere	8,	吳	2	2	2	2	2	£	2	2	2	<b>2</b>	2
2-Chloroethylvinyl ether	¥	Ή	2	2	2	2	2	2	2	2	2	2	2
Becomoform	92	91	2	2	2	2	2	2	2	2	2	2	2
1,1,2,2-Tetrachlomethene	¥	¥	2	2	2	£	2	윤	2	2	2	2	2
Tetrachlocoethene	4	里	2	2	2	2	2	2	2	2	2	2	2
Chlorobenzene	æ	말	2	2	2	2	2	2	0.230	2	2	2	2
1,3-Dichlorobersere	051	¥	2	2	2	2	2	2	2	2	2	9	2
1,2-Dichlorobersere	81	2	2	2	2	2	2	2	1.40	2	2	2	2
1,4-Dichlorobergene	(100)0.5		2	2	2	2	2	2	2	2	9	2	2
ALL UNITS APE ug/1													
Mv = Menitoring Well			₹	₹	Corporation,	Secremento	z		detected				
LDA = Pirst laboratory duplicate analysis	Licate and	alysis	8		- Cermie Environmental Services	al Services		C = Amelysis	<ul> <li>Analysis confirmed in second column analysis</li> </ul>	second colum	n amalysis		
IIB = Second Laboratouy du	olicate a	sissis	S		Amalytical Si	<ul> <li>Radian Analytical Services, Sacramento</li> </ul>		Or RC = Idea	LLQ = Limit of quentitation Por FC = Identity previously confirmed	ly conflued			
							. 2	NE = Not established	blished	1			

Percenter Lavel  Geourd blater Zone Date Sampled Sampled By Date Analyzed Field Analyzes Lab Analyzes Lab Analyzes Lab Analyzes Remonarchere Remonarchere Remonarchere Remonarchere Remonarchere Remonarchere Remonarchere	Primary 144-111 PG. SHMIO 07/12/	#-111	<b>M</b> +112	M+113	<b>HH-</b> 114	M-115	MF128	₩-128	M-128	M4-128	M+129	M+130
or Zore ed sis	, v. c											
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	, ,	SPATION	Q.	MINE	SIMITOR	MATERIAL	Sew 100	CHAIL CL	GEN TOTAL	OT MISS	MITTER	888
s is a second se	•	02/12/00	00/11/20	90/11/20	00/21/20	00/01/20	02/13/00	00/01/00	98/61/00	00/01/20	00/61/20	00/61/70
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	•	PATTAN	PAPITAN	TAT CAG	DAT AN	S (SE ) CO	NA TAN	14. CAU	T T T T T T T T T T T T T T T T T T T	PATTAN	DATTAN	141040
s sistematical services of the	. `	00/11/00	00/07/20	90/07/20	20,000	00,00,00	20,00,00	20,00,00	20100	00/00/00	00/07/00	00/1/10
s s s s s s s s s s s s s s s s s s s		OD / 17 / / O	8/7//0	B/71/0	0//13/86	00/17/00	98/57/70	0/173/00	BD/CT//0	8/3/6/	8/57/70	90/sT//0
S NE	••	3	3	3	3	<u> </u>	3	<u> </u>	3	3	3	3
2							Ę	é	2			É
Z Z Z							ş	<b>8</b>				ă
2 Z	_	٩	2	Ę	Ş	5	Ş	£	5	2	9	£
. 7		9	9	£	2	9 9	9 9	2 5	9	9	2	9
	_	9	2	9	9	2	9	2	9	9	9	9
Orloroethers NE N	يو	2	2	2	2	£	2	2	2	2	2	2
Loride 40 N	W W	9	2	2	2	9	2	2	2	2	2	2
Mary 3400 N		2	2	2	2	2	2	2	2	2	2	2
1,1-Dichlocoethers 6 7	_	9	2	2	2	2	2	2	2	2	2	3.40
8		1.70	2	5	2	2	2	2	2	2	2	€.
Total 1,2-Dichloxoethere 16 N	, i	1.20	2	2	2	2	3000	3000	3,400	2	2	0.66
86		0.360	2	2	2	2	2	2	2	2	2	0.26P
1,2-Dichlorcoethere 1 5	<u>د</u>	0.170	2	2	2	2	2	2	2	2	2	2
1,1,1-Trichlomethens 200 3	2 00 00	2	2	2	2	2	2	2	2	2	2	0.472
_	~	9	2	2	2	2	2	2	2	2	£	2
1000	8	9	2	2	2	2	2	2	2	2	2	2
07	_	9	S.	₽	2	2	2	2	2	2	2	2
oropropene NE N	_	9	2	2	2	2	2	2	2	2	2	2
5		1.4C	2	2	2	2	3000C	3000C	340000	45000C	2200	2.75
8	01 N	9	£	2	2	2	2	2	2	2	2	2
8	_	9	2	2	2	2	2	2	2	2	2	2
87	_	9	2	2	2	2	2	2	2	2	2	2
tylvinyl ether NE	_	9	2	2	2	2	2	2	2	2	2	2
901	_	9	2	2	윤	2	2	2	2	2	2	2
1,1,2,2-Tetrachlomoethane NE NE	_	9	2	2	2	2	2	2	2	2	2	2
Mrs 4		2	2	2	2	2	2	2	2	2	9	2
	_	9	2	2	2	2	2	2	2	2	2	2
130	_	9	2	2	2	2	2	2	2	2	2	2
2 051	<u>—</u>	2	2	2	2	2	2	2	2	2	2	2
1,4-Dichlorobenzers (LOQ)0.5 NE	<u> </u>	9	2	2	2	2	2	2	2	2	2	2
AT THIS AGE := ()												
Marian Marian (4).		4	TAN - Dad o	DANIAN - Badim Comment of Comments	Character	2	D - Brehing december	der part and				
MA = Pirst field drel Cate arelysis			3000	- Control Office Living Conducts	Sandon a	ء <i>د</i>		* Analysis confirmed in second column analysis	miles passed	n amalysts		
FIB = Second field deal loate analysis		3		= Radian Amint for Services Services	and one form			(O = Limit of countries to		}		
IDA = Pirst Laboratory denlicate analysis	sis				,		or F. = Ide	P or 72 = Identity mentagly confirmed	sly confirmed			
I'll a Geomy laboratory designate analysis						. 2	The getting of the	1	•			

Parameter	Act for	High Ag.	M4-130	₩-130	M+130	¥-130	<b>14</b> -131	M-131	M4-133	MF-134	M+135	MH-136	M+137
Ground Mater Zone			6281	6681	68	SHALLOW	-CIMBS	SHELOU	6891	6661	MODIZ	2890	8
Date Sampled			07/12/88	07/12/88	07/12/88	07/13/88	07/13/88	07/13/88	07/11/88	07/11/88	07/11/88	07/14/88	07/14/88
Sampled By			PADIAN	PACTAN	RADIAN	RADIAN	RADIAN	RACITAN	PACITAN	PADIAN	RADIAN	BADIAN	RADIAN
Date Applyment			07/14/88	02/14/88	DR/02/RB	00/115/80	02/15/86	CB/12/88	07/12/88	07/12/88	07/12/88	07/15/88	07/15/88
3			SKC	3	1 18	Sec	Sec		9	SAC	35	SAC	Sec
Field Amiyais			Q.		İ	ě	8						É
Lab Amalysis	ļ		<b>9</b>	!		į	!						ă
Chloromethers	<b>E</b>	<b>M</b>	2	2	2	2	2	2	2	2	2	2	£
Bernessethers	¥	鼍	2	2	9	2	2	2	2	2	2	2	2
Virgi chloride	7	-	2	2	2	2	2	2	2	2	2	2	2
Odocoethers	¥	星	2	9	2	2	2	9	2	2	9	2	£
Methylene chloride	3	¥	2	2	2	2	2	2	2	2	2	2	2
Trichlorofluocoschens	8	黑	2	2	2	2	2	2	2	2	2	2	2
1,1-Dichlocosthers	9	7	2.8P	3.0	2.X	2	2	2	2	2	2	2	2
1,1-Dichloroethene	ଷ	2	4. <del>2</del>	W.4	5.20	2	2	2	2	2	2	7.40	<b>8</b> .30
Total 1,2-Dichlorosthers	92	¥	0.6 <b>0P</b>	Ø. 70	2	210	ដ	2	2	0.40P	5.20	æ 9	<b>5</b> .
Chloroform	8	8	0.24P	0.372	2	1.70	1.1P	2	2	2	39:1	2	€ !
1,2-Dichloroethere	-	•	2	2	2	1.00	1.16	2	2	2	0.460	웃	<b>Q</b> .
1,1,1-Trichlomethers	8	8	0. **	0. X	2	2	2	2	2	2	2	2	
Carbon terrachloride	s i	S	2	2	2	2	2	2	9	9	2	2	2
Bronodichionomethers	<b>8</b> 9	<b>8</b> !	2	2	2	2	2	2	<b>9</b>	2 !	2 !	<b>2</b> !	2 9
1,2-Dichloropene	2 (	¥!	2 !	2 :	2	2	2	2	2 !	2 !	2 !	2 !	<b>2</b> !
Frans-1, 3-dichloropropure	¥.	¥.	2	2	2	2	2	₽:	<b>Q</b> !	2	2	2	2
Trichloroettens	٠ ;	n :	2. G	2.7g	3.5	8	<b>8</b>	<b>2</b>	2 9	5. 1.	22.1	3 4	3 9
Dibectochlorosectures		8 9	2 9	2 !	2 !	2 !	2 !	<b>Q</b> (	2 9	2 9	2 9	2 9	2 9
1,1,2-1, it it is a second of the second of	3 6		2 9	5 5	2 9	5 5	5 5	2 9	2 9	5 5	5 5	5 5	5 5
2-Colometalvinal ether	; <b>¥</b>	2 19	9 9	<u> </u>	2 9	2 9	5 5	2 9	2 9	9	9	9	9
bromoform	8	9	9	9	9	9	2	9	9	2	2	2	2
1,1,2,2-Tetrachlocoethers	Ħ	量	2	2	2	9	2	2	2	2	2	2	2
Tetrachlocoethers	4	<b>W</b>	2	2	2	2	2	2	2	e	2	2	2
Chlosoberseene	R	里	2	2	2	9	2	£	2	2	2	2	2
1,3-Dichlorobenene	<u>8</u>	里	2	2	2	2	2	£	2	2	Q	2	2
1,2-Dichlorobersers	81	更	2	2	2	2	2	2	皇	2	2	9	9
1,4-Dichloroberans	(100)0	<b>19</b>	2	2	2	2	2	£	Q	2	Q	2	2
ALL UNITS ARE ug/1													
14 - Manitoring Wall			2	₹	Corporation,	Secremento	-	_	detected				
FIA = First field deplicate arelysis	aralysts	_	8		- Centrale Braintenestal Services	al Services		C - Amelysia	- Analysis confirmed in second column analysis	second colum	n embysis		
FUB - Second field deplicate analysis	te smalysi	•	35	SAC Redien	Analytical S	- Redian Analytical Services, Secremento		CQ = Limit of	LOQ = Limit of quentitation	_			
IDA = Pirst Laboratory daplicate analysis	Licete en	lysis					~	or R = Ide	P or FC = Identity previously confirmed	ely confine			
1978 - Commed Johnson April 1985													

	N. C.	AGE 2 11				5	LETT. NIMESO			
Permeter	Ace ion	H. C.	Primary M4-137 M3.	M4-137	M+137	M-138	₩-139	144-140	MF-141	NH-143
Ground Marter Zone			â	â		82	SEMILON	2831	6890	
Date Sampled			07/14/88	07/14/88	07/14/88	07/14/88	07/08/88	98/10/10	07/08/88	07/2/88
Sampled By			RADIAN	RACITAN	PADIAN	PADIAN	RADIAN	PADILAN	RADIAN	BACITAN
Date Avalyand			07/15/86	07/15/88	08/05/88	07/18/88	07/11/88	07/08/88	07/11/88	07/25/88
4			SAC	SMC	8	38	SKC	36	Sc	28
Field Amiyata			Æ	2						
Lab Aralysis			<b>89</b> 1							
Chloromethers	¥	2	2	2	2	2	2	Q	9	92
Becamethers	¥	2	2	2	Q	2	2	9	2	
Vinyl chlorids	7	1	2	9	2	2	2	2	2	2
Chloroethers	¥	뜊	2	2	2	2	<b>Q</b>	2	2	2
Methylans chlorids	\$	¥	욮	2	2	ð	2	2	2	₽
Trichlorofluorosethere	8	¥	2	9	2	2	9	9	2	2
1,1-Dichloroethere	•	7	2	2	2	£	욮	2	1.30	Q
1,1-Dichloroethens	R	¥	8.0C	<b>8</b> .80	2	2	251	2	¥.70	2
Total 1,2-Dichloroschers	91	2	9.0C	8.30	2	Q	24C	<b>18</b>	<b>28</b>	2
Ohloeceforan	8	8	2	2	2	5	2	2	2	2
1,2-Dichloroethers	-	'n	2	2	2	2	2	욮	2	₽
1,1,1-Trichlomethers	8	8	2	2	2	2	2	Q	2	Q
Outton tetrachloride	'n	•	2	2	2	2	9	2	2	2
Bosnodichloromethers	8	8	2	2 !	2 !	<b>9</b>	2	2	2	2
1,2-Dichloropene	읔 !	<b>12</b> (	2 !	2 !	2 !	<b>2</b> !	2	<b>2</b> !	₽ '	<b>Q</b> !
Trans-1, 3-dichloropropers	٠ ي	¥.	2	2	2 ;	2 9	2	<b>2</b> !	2	<b>2</b> !
Trichlocoathers	n :	n :	3000			2 9	<b>2</b>	<b>8</b> (	1600	<b>2</b> !
Dibeconchioeconsthera	<u> </u>	<b>8</b> 9	2 9	2 9	2 9	2 !	<u> </u>	<b>2</b> !	<b>2</b> !	<b>2</b> !
1,1,2-iriganomana	2 €	2 9	5 5	5 6	2 9	5 5	2 9	2 9	2 9	2 9
2-Chicaratelyinal atter	; <b>#</b>	9	<u> </u>	9 9	9	<u> </u>	9 9	2 6	9 9	2 5
Becanoficen	8	9	9	9	9	9	9	9	2 9	9
1,1,2,2-Terrechlocoethere	¥	2	2	2	2	2	2	2	2	. 9
Tetrachlomethere	-	¥	2	2	2	2	2	2	2	2
Oxlocobeners		<b>Y</b>	9	2	2	2	2	2	2	Q
1,3-04chlorobersers		¥	2	2	2	2	2	2	2	2
1,2-Dichlorobensers	83	2	2	2	2	2	2	2	2	2
1,4-Dichlerobersens	(100)0.5	Ä	2	2	2	2	Đ.	2	2	Q
ALL UNITS ARE ug/1										
M = Menitoring Hell			≨ (	₹	Corporation,	Secremento	¥ (	ND - Nothing detected	etected	•
FIA - First field deplicate ambysis	eralysis	_	<b>8</b> 8		= Caronie Brotzomental Services	l Services		- Amalysis	confirmed in	<ul> <li>Analysis confirmed in second column analysis</li> </ul>
Fig. = Second laboratory duplicate enalysis LIB = Second laboratory duplicate enalysis	ilcete en	a slysis	5		MILITAL OR	* CHILLIA ATRIVITICAL SCIVILORS, SCITZURES		LLQ = Limit of questitution Por PC = Identity poevious	<pre>III( = Limit of questitetion P or FC = Idexity previously confirmed</pre>	ly confirmed
							¥	NE = Not established	Light	

ZMER 1-31. MASTER LIGE OF NELLS SAMPLED FOR U.S. DEN NERDD 602 CONFOUNDS FOR MENA C AND ADMICISTY CHI-BASE MENS, CHOUNDHARDS SAMPLING AND ANNIXELS PRICEMAN, JULY TRICICER SEPTEMEN 1999, M-CLILLAN AND

Parameter	Action Level	U.S.EPA Primary MCL	H+-200	HH-210	M+21S	<b>1</b> (2)	E11. N.P.ESR P4-335	M+338	M+33S	M-33S	H+ 365	¥-365	<b>1</b> 38€
Ground Mater Zers Date Sempled Sempled By Date Aralymed Lab Flaid Aralymia Lab Aralymia			MITTE 07/13/88 IMDIAN 07/14/88 SAC	MITTALE 07/18/88 PADIAN 07/19/88 SAC	SBALLCH 07/26/88 RADZAH 07/27/88 SAC	12829 07/14/88 18401.44 07/18/88 SAC	SEMILON 07/21/88 RADIAN 07/25/88 SAC FDA LIDA	SEWILON 07/21/88 RADIGAR 07/25/88 SAC FTA.	SENTICH 07/21/88 RADIAN 07/25/88 SAC FIB	SBN1.04 07/21/88 RND1.66 08/10/88 025	SENTICH 07/11/88 RADINN 07/13/88 SAC PDA 1DA	SEMLICH 07/11/88 RADICAN 07/13/88 SAC FDA 11/8	SENLICH 07/11/88 RADIAN 07/14/88 SAC FIB
Ohlorobenene 1.3-Dichlorobenene 1.4-Dichlorobenene 1.4-Dichlorobenene Bernene Bernene Betylbenene	30 NG 130 NG 130 NG (100)0.5 NG 7 5 660 NG 100 NG	N N N N N N N N N N N N N N N N N N N	222222	2222222	2222222 2	222222	222222	222222	555555	222222	222222	222222	222222

#1. URTS #E.ug/l

FM = Persistation and particle for the persistant fo

NOLM = Redian Corporation, Services
ONS = Carolle Britzmartal Services
SKC = Redian Aralytical Services, Servensor

ND = Nothing detacted LOQ = Limit of quantitation NE = Not established

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Permeter	DOBS Action Level	U.S.EM Primery P	99. ±	SW-#K	S#+#	\$ *	WELL NUMBER 194-61	<b>₹</b>	¥.75	<b>14-</b> 107	¥+108	<b>H</b> 4-109	<b>14</b> -110
General Mater Zera Date Sampled Sampled By Date Analysed Lab Finich Analysis Lab Analysis			SENIZCH 07/11/88 RADIAN 08/02/88 CES	SB41.04 07/20/88 PAUZAN 07/22/88 SAC	SENTION 07/20/88 N/01/24 07/22/88 SAC 178	SENTION 07/20/88 07/22/88 SMC	SHILOH 07/20/88 RADIAN 07/22/88 SAC	SH(LICH 07/26/88 PADIAN 07/27/88 SAC	MEDILE 07/20/98 RADIAN 07/22/98 SAC	SHV104 07/12/88 PADIAN 07/13/88 SAC	HUTELE 07/12/88 PADIAN 07/13/88 SAC	1727-88 07/12/88 RADIAN 07/14/88 SAC	SENTICH 07/25/88 RADIAN 07/26/88 SAC
Otlorchemens 1,3-Dichlorchemens 1,4-Dichlorchemens 1,4-Dichlorchemens Bursame Ettylbersens Tolluers	30 Kg 130	****		222222		222222	555555	555555	222222	858888	555555	555555	222222
AL UNIX AE ug/1 M = Manitocing Mail LDA = First laboratory deplicate analysis LD = Second laboratory deplicate analysis	hplicate an diplicate a	alysts alysts	283	NOIM - Redian Corporation, Secremento OS - Ceronia Brainomental Services SAC - Redian Ambytical Services, Se	Relian Corporation, Secremento Ceronia Braincomental Services Relian Aralytical Services, Secrement	Secremento Il Services Irvices, Secr	8	NO = Northing detected LOQ = Limit of quentization NE = Not established	detected querettecton bilahed				

	Met lon	U.S.EM Primery	M-111	M#-112	N#-113	W-114	SLL KURER HF-115	M-128	M+128	M+128	MH-128	MH-129	M4-130
		!											
Ground Matter Zone						DIME							
Date Sumpled			07/12/86	07/11/88	07/11/88	07/12/88	98/81/0	07/12/86	07/12/86	07/12/86	07/12/88	07/12/88	07/12/88
Sempled By			RADILAH	PACILAN	RADIAN	RADIAN	PADIAN	PACILAN	RADIAN	PMDIAN	RADIAN	RACITAR	PADIAN
Date Analyzed			07/14/88	07/12/88	07/12/88	07/13/88	02/13/88	07/13/88	07/13/86	07/13/88	08/05/88	07/13/86	07/14/88
3			SAC	S	Sec	S	S	SKC	Sec	38	8	SKC	3
Field Amiyats								ĕ	Ş	828			Ę
Lab Aralysis								<b>Y</b>	9				4
Oxlonobersense	8	Ħ	£	2	2	2	2	2	2	2	2	2	2
1,3-Dichlorobensens	0E1	曼	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichlorobersers	0£1	麗	2	2	2	2	2	2	2	2	2	2	2
1,4-Dichlorobenens	(100)	× 5	2	2	2	2	2	2	2	2	2	2	2
Meridian	۲.	٠,	2	9	2	2	2	2	2	2	2	2	2
Ethylbersers	<b>3</b>	麗	2	2	2	2	2	2	2	2	2	2	2
Toluens	901	¥	2	2	2	2	2	2	2	2	2	2	2

ALL UNITS ARE ug/1

M4 = Municoring Wall

FDA = First field deplicate analysis

FDB = Second field deplicate analysis

IDA = First laboratory deplicate analysis

IDB = Second laboratory deplicate analysis

ND = Nothing detected LCQ = Limit of questitation NE = Not established MOIM = Radian Corporation, Secremento GES = Centrale Berliotzental Services SAC = Redian Aralytical Services, Secremento

	9100	U.S.EPA				3	T. KINGER						
Parameter	Action Lead	F. G	MH-130	M-130	M+130	<b>14-13</b>	MF-131	M-131	M#-133	¥1-¥	M+135	MH-136	M+137
General Mateur Zone			200	â	200	SEWLLON	SEWLLOW	SHILLON		83	MODE	88	200
Date Sempled			07/12/86	07/12/88	07/12/86	07/13/88	07/13/88	07/13/88	07/11/88	07/11/88	07/11/88	07/14/88	07/14/88
Sempled By			RADIAM	PADILAN	RADIAN	PADIAN	PADIAN	RADILAN	RADIAN	PACIAN	PADIAN	PADEAN	PADILAN
Date Atalyand			07/14/88	07/14/88	08/05/88	07/15/88	07/15/88	08/12/88	07/12/88	07/12/88	07/12/88	07/15/88	08/05/88
3			Sec	Sec	8	3	SEC	8	SAC	36	SKC	SAC	8
Field Amilysis Lab Amilysis			<b>1</b> 10 10 10 10 10 10 10 10 10 10 10 10 10	2		ADA A	Ē						
Chloroberserse	Я	1	9	g	9	£	9	9	£	£	9	2	2
1,3-Dichlorobersen	551	里	2	2	9	2	9	9	2	2	2	2	2
1,2-Dichlorobersons	021	¥	2	9	9	2	2	2	2	2	2	2	2
1,4-Dichlorobersers	(LOQ)0.5 NE	2	2	2	2	2	2	2	2	2	2	2	2
Bernera	.,	'n	£	Q	2	2	2	2	2	2	2	2	2
Ethylbermens	98	¥	2	2	2	2	2	2	2	2	2	2	2
Tologra	8	黃	Q	9	2	2	2	2	2	2	2	2	2
ALL UNITS ARE ug/1  14 = Maniforing Mail  17A = First field deplicate analysis  17B = Second field deplicate analysis  17B = Second laboratory deplicate analysis	te analysis ate analysi splicate an	a a systs	a 6 2	PACEAN = Radian CES = Cercula SAC = Radian	Retlan Corporation, Secremento     Cancile Services     Retlan Ambytical Services, Secr	Secremento al Services ervices, Sece	Q)	ND = Nothing detected IOQ = Limit of quantites NE = Not established	detected quentitation bilished		: :		<u> </u> 

Parameter	DOBS Action Level	U.S.EPA Primary MCL	H-137	M4-137	M-137	# 138 FF-138	AEL NUMBR NA-139	N4-140	196-191	H+143
Ground Mater Zens Dice Smpled Smpled By Dice Aralymed Lab Fleid Aralysis Lab Aralysis			1022 07/14/88 RADIAN 07/15/88 SAC FDA 1.DA	1002P 07/14/88 12/15/88 07/15/88 SAC 17/16 17/18	07/14/98 PADIAN 07/15/88 SAC FTB	07/14/88 07/14/88 07/16/88 07/16/88	SBALLOH 07/08/88 PADDAN 07/11/88 SAC	17529 07/07/88 74/12/88 07/08/88	11922 07/08/98 RADIAN 07/11/98 SAC	DEEP 07/21/88 NOTZH 88 07/25/88 SAC
Otlocchemens 1,3-Dichlocchemens 1,2-Dichlocchemens 1,4-Dichlocchemens Benners Ethylbenens Tollowen	30 RE 130	海底部落~底层	222222	222222	222222	222222	9888888	555555	222222	<b>RRRRR</b>

All UNITS ARE ug/1

M = Mentocing (all

FDA = First field deplicate analysis

FB = Second field deplicate analysis

IDA = First laboratory deplicate analysis

IDB = Second laboratory deplicate analysis

IDB = Second laboratory deplicate analysis

RALLAN = Radian Comporation, Secondario SAC = Radian Amalytical Services, Secondario

ND = Nothing detected IOQ = Limit of quentitation NE = Not established

TABLE 1-32. MASTER LCG OF MELLS SAFELED FOR U.S. ERN HEISTD 604 COFFOLINGS FOR AFEA C AND ALINCERT CH-BASE AFEAS, GROUNDARTER SAFELTING AND ANALYSIS FROCIAM, JULY TERCUTS SEPTEMER 1998, MCJELAM AFE

	900	U.S. EPA				3	C. NUMBER	
Purameter	я <u> </u>	Primary NA-62 NG.	<b>3</b>	<b>24-</b> 75	M+128	<b>178</b>	<b>14</b> -128	
Gestard Matter Zone			SHALON	MODE	POTMES	HOTIMES	MOTAMES	
Date Samled			07/26/88	07/20/88	07/12/88	07/12/88	07/12/88	
Sempled By			RADIAN	RADIAN	RADIAN	PADIAN	RADIAN	
Date Analyzad			08/05/88	08/07/88	07/31/88	07/31/88		
3			SkC	SAC	36	SMC	8	
Field Arelysis					Æ			
Lab Aralysis								
2,4,6-Trichloughand	ã	Ã	2	2	2	ð	2	
2-Chloropherol	¥	2	2	2	2	2	2	
2,4-Dichloropherol	皇	2	2	2	2	2	5	
2,4-Directly lphenol	<b>3</b>	¥	2	2	2	2	2	
2-Nitorpherol	曼	¥	2	2	2	2	9	
4-Hit outhern	¥	Ή	2	2	2	5	욮	
2,4-Dinit rephenol	¥	₩	2	2	2	2	2	
Pertachlocophenol	R	<b>2</b>	2	2	2	2	9	
Phenol	冕	2	2	5	2	2	2	
4-Chloro-3-methylphenol	띺	¥	2	2	2	2	2	
4,6-Dinitto-2-anthylphenol	36	¥	2	2	2	5	2	
ALL UNITS ARE UR/1								
MW - Mandtooring Well			3	PAULAN = Padian Corporation, Sectamento	Corporation,	Sectamento		ND = Nothing detected
First field deplicate analysis	te aralysis	_	8	S - Centralia	Centrale Brytrumental Services	d Services		NE . Not established
FIB = Second field duplicate analysis	ate amplysi	9	S		<ul> <li>Radian Analytical Services. Secrement</li> </ul>	trylogs, Sect	OTHER	

MASTRA LOS OP MELLS SAPPLED FOR U.S. ERA CIP MENHO 624 COPPOLING FOR AREA C AND ADMICRIT ON BASE AREAS, CHOMONADER SAPPLING AND ANNINSIS FROCKAM, JULY TEROLEN SEPTEMBER 1988, MCCELLAN AFB TABLE 1-33.

Pacsaratter	et la	Pinery CA	Primary M4-21S MC.	MF-338	M4-61	<b>11.</b>	M4-114	M4-128	M+128	M+138	i4+128	M4-129	¥-136
Ground Mater Zone			MOTAN	MOT MES	MOTMES	MOTHE	MOTABS	CHATON	MOTMES	SWITCH	MOTARS	MICE	
Date Sempled			03/26/88	07/21/88	07/20/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/14/66
Sempled By			PADIAN	PACIAN	RADIAN	MAJONE	PADIAN	PACITAN	RADIAN	PADIAN	RADIAH	RADILAN	RADIAN
Date Analyzed			08/03/88	08/01/88	07/28/88	07/18/88	07/18/88	07/18/88	07/18/88	07/18/88	07/23/88	07/18/88	07/19/88
4			Sec	3	3	SK	2	Sec	3	8	8	S	3
Field Amplysis								Ę	Ę	82			
Lab Analysis								<b>S</b>	9				
Ollocounthers	<b>1</b>	¥	2	£	2	2	£	2	2	2	2	2	2
Bornomechane	巢	¥	2	2	2	2	2	2	2	2	2	2	2
Virgi chlorida	7	-	2	2	2	2	2	2	2	2	2	2	2
Ollocoethene	<b>3</b>	빞	2	2	2	5	2	2	2	2	2	2	2
Mathylers chloride	\$	<b>4</b>	2	2	2	2	₽	2	2	2	2	2	2
Trichlorofluoromethers	360	曼	£	¥	¥	#	¥	£	ž	£	2	¥	2
1,1-Dichloroethers	9	7	£	2	₽	2	2	2	2	2	2400	2	2
1,1-Dichlorosthers	8	쒿	2	2	2	2	2	2	2	2	2	2	£
Total 1,2-Dichlocosthers	93	Ή	2	99	2	2	9	2	2	2	1500	2	7.4
Chlorofoun	8	ള	2	ð	2	2	2	2	2	2	2	2	2
1,2-Dichloroethere	-	•	2	2	£	2	2	2	2	2	2	£	2
1,1,1-Trichlomethers	8	8	2	2	2	2	2	2	2	2	2	Q	£
Carton tetrachloride	•	'n	2	9	2	2	2	2	2	2	2	2	2
Bromodichlocomethere	8	8	2	2	2	2	<u> </u>	2	2	2	2	<b>9</b>	2
1,2-Dichloropeopens	2	<b>H</b>	2	욮	2	2	2	2	2	2	2	2	2
Trans-1, 3-dichloropropers		Ή	2	9	2	2	2	2	2	2	2	2	2
Trichlocosthens	s	٠,	2	35000	9.9	2	2	28000	30000	32000	<b>8</b>	800	Q£ <b>7</b>
Dibeconschioeconectours	ള	8	2	2	2	2	2	2	2	£	2	2	2
1,1,2-Trichlomethere	8	义	2	2	2	2	2	2	Ş	2	2	2	2
cis-1,3-Dichloropeopera	8	Ή	2	2	2	2	2	2	9	2	2	2	2
2-Chloroethylvinyl ether	<b>2</b>	¥	£	≨	£	£	¥	£	≨	£	2	¥	2
Becomoform	8	텶	2	2	2	2	2	2	2	2	2	2	2
1,1,2,2-Tetrachlomethere	*	鱼	2	2	2	2	2	9	2	2	2	2	2
Teczachlowethere	4	里	2	2	2	2	2	2	2	2	2	2	2
Chlorobersers	8	발	2	2	2	2	9	2	2	2	2	2	2
Bermera	۲.	5	2	2	2	2	2	2	9	2	2	2	2
Ethylbensers	<b>9</b>	<b>Y</b>	2	2	2	2	£	2	2	2	2	2	2
Toluera	81	¥	2	2	2	2	9	2	2	2	2	2	2
Acetors	<b>E</b>	¥	2	2	2	2	2	2	2	æ	≨	2	2
Cardinal Ages, 1614.	9	9	9	9	ş	9	9	9	9	ş	M.	9	£

AL LMITS AE ug/1

Mi = Menitoring Hell

Fin = First field deplicate smalysis

Fin = Secord field deplicate smalysis

IM = First laboratory deplicate smalysis

IM = Secord laboratory deplicate smalysis

ND = Nothing detected NA = Not analyzed NE = Not established

NATIAN = Radian Corporation, Secremento
CES = Carrolle Environmental Services
SAC = Radian Analytical Services, Secremento

Parameter	DOBS Action [ase]	U.S.BPA Primary PG.	M-2s	<b>¥</b> -338	19 <del>1.</del> 61	M-111	WELL NUMBER MA-114	M-128	N4-128	H4-128	<b>74</b> -128	¥+129	¥-136
Geourd blacer Zens Date Semplant Samplant By Dates Aradysand Lab Flaids Aradysis Lab Aradysis			SHALLOH 07/26/88 RADIAN 08/03/88 SAC	SHALICH 07/21/88 PADIEN 08/01/88	SBN 1.04 07   20   88 07   28   88 SPC	SHALICH 77/12/98 PROILWE 07/18/98 SAC	SHALCH 07/12/96 RADGAN 07/18/98 SAC	SENITON 07/12/88 RADIAN 07/18/88 07/18/88 INDA	SHALOH 07/12/88 RADZAN 07/18/88 SAC FDA	SENIIOH OT/12/68 PROZAV OT/18/88 SAC ROB	SHALIGH 07/12/88 PADZAN 07/25/88 CES	MITTALE 07/12/88 PADTAN 07/18/88 SAC	DESP 07/14/88 PADIAN 07/19/88 SAC
2-Aganssa Virgi acetate 2-Honerra 4-Hethyl-2-parterine Seyume Total Ayleme	* * * * * * * *	*****	22222	22222	22222	222222	55555	22222	22222	22222	11111	55555	22222
AL UNIX AR ug/1  FA = Frantzoring shill  FA = Fract field depiloate analysis  FR = Second field depiloate analysis  ILA = Fract laboratory depiloate analysis  ILB = Second laboratory depiloate analysis	ste amelysis onte amelysi uplicate am daplicate a	s is alysis malysis	200	RADIAN = Radian Copporation, Sacrameto GSS = Caronie Bratzonametal Sarvices SAC = Radian Armittical Sarvices, Sacram	Corporation, se Barteemer. i Aralytical S	Secremento a) Services ervices, Secr	2 2 2 2	D = Nothing detected R = Not reported A = Not analyzed E = Not established	derected screet year blished				

Action   A		9			WELL HUPER	
### ### #############################	by committee.	Act ion		<b>H</b> +143		
### ### #############################	Ground Heter Zone			193		
### ### #############################	Date Sampled			07/21/88		
	Sumpled By			PADZAN		
	Date Analyzed			98/10/90		
### ### ### ### ### ### ### ### ### ##	<b>3</b>			Sec		
### ### ### ### ### ### ### ### ### ##	Field Amiyais Lab Amiyais					
### 100 100 100 100 100 100 100 100 100	Mocomethers	Æ	2	2		
100 100 100 100 100 100 100 100 100 100	tenenachera	*	¥	2		
### ### ### ### ### ### ### ### ### ##	'hryl chloride	~	-	2		
### 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Morosthere	<b>E</b>	¥	2		
######################################	achylane chloride	3	<b>y</b> !	<b>9</b> :		
The state of the s	.1-Okhlomethere	₿.	¥ ~	€ 9		
Here 16 100 100 100 100 100 100 100 100 100	,1-Dichloroschurs	8	, W	9 9		
100 11 5 200 200 100 100 100 100 100 100 100 100	btal 1,2-Dichlocosthers	2	<u> </u>	. <b>2</b>		
11 5 500 2 200 100 100 100 100 100 100 100 100	hloroform	901	90	2		
1000 1000 1000 1000 1000 1000 1000 100	,2-Dichloroethens	-	s	2		
2	,1,1-Trichlomethers	8	8	9		
there 100 100 means or other 100 100 100 100 100 100 100 100 100 10	arbon tetrachloride	s	۰	2		
######################################	econodichilocomethers	8	8	2		
there 100 100 the property Re 100 100 100 100 100 100 100 100 100 10	, 2-Dichloropens	음 !		2		
there 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	varie-1, 3-dichloropropere	₩.	<u> </u>	2		
tenns 100 100 ctops	richlotoethere	<b>.</b>	· ·	2		
### 100   10	Abromochlocomechans	8 5	<b>8</b> 9	<b>2</b> 9		
## ether 100 monorthman 100 mm	10-1 Mohloman	3 6	2 9	2 9		
20 100 100 100 100 100 100 100 100 100 1	Colorastinivinal arter	5 <b>9</b>	2 9	2 4		
	тофокт	9	į <u>8</u>	i <b>2</b>		
- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	,1,2,2-Tetrachlomethms	<b>2</b>	<u> </u>	9		
27、28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	erachlomethers	•	<b>Y</b>	2		
· 20 20 20 20 20 20 20 20 20 20 20 20 20	hlorobersens	R	<b>9</b>	2		
29 CT M M M M M	******	۲.	٠,	2		
200 200 200 200 200 200 200 200 200 200	thylbeners	<b>9</b>	2	2		
**************************************	blums	8	<b>¥</b>	2		
* * *	patone	¥	2	2		
N N	arbon disulfide	¥	Ħ	2		
F	-Butanne	2	氢	Q		
	'Ingl abstate	¥	¥	2		
	M - Menticering Mell			PACITAN = Radian	Corporation, Sacramento	ND = Nothing detected
PAULAN = Radian Corporation, Secremento ND				SAC Badian	And the local Securities Secrements	NA = Not analyzed

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detected NA = Not analyzed NE = Not established

Parameter	Action 1	U.S.EPA Primacy M4-143 MC.	WELL NAMES	
Ground Mateur Zone Date Semplerd Semplerd By Date Analyzed Lab Fleid Analyzes Lab Analyzes		1922 07/22/88 07/22/88 88/02/88 SAC	88 _ 88	
2-Hourone 4-Mattyl-2-pertanne Syrvere Total Xylenes	725	2222		
AL UUTS AE 14/1 M = Maitoring Will			RAUTAN = Radian Corporation, Secremento ND = Nochin SAC = Radian Analytical Services, Secremento NE = Not es	ND = Nothing detected NE = Not established

THERE 1-34. INSTITENT LOS OF WELLS SAMPLED FOR U.S. IPA METHOD 625 COMPOUNDS FOR AMERA C AND ADLACISMO ON-BASE AMERAS, GROUDINGTEN SAMPLING AND ANALYSIS FROCKAM, JULY THOOGH SEPTEMENE 1998, M-CLELLAN APB

	10 ES	U.S.E				*	A MARK						
Permeter	Act ion Love L	Harry FD	Prionery M4-21S M3.	<b>H</b> +338	<b>#</b> +338	<b>₩</b>	<b>111-111</b>	M+114	M+128	₩-128	M4-128	M+128	<b>14</b> -129
Ground Mateur Zone			HOTMES	SEWLLOW	SHALON	SHALON	SEWICH	MOTMES	HOTMES	SHALLON	SHALON	SPALON	MINTER
Date Sampled			07/26/88	07/22/88	07/21/88	03/20/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88
Sumpled By			RADIAN	PADILAN	PADIAN	RADIAN	PADIAN	RADIAN	RADIAN	RADIAN	RADIAN	RADILAN	RADIAN
Date Analyzed			08/11/88	08/11/88	08/11/86	08/11/88	07/27/88	03/23/88	07/27/88	07/27/86	08/10/88	07/23/88	08/10/88
4.			S	SEC	S	Sic	S	285	SAC	Sec	SKC	8	SEC
Field Arelysis									Æ	AQ.	708 108		
Lab Analysis				ğ	9				á	9			
1,3-Dichloroberners	621	Ā	2	3.8	<b>6.3</b>	2	2	2	3.2	3.2	3.5	2	9
,2-Dichlorobenene	130	딸	2	æ	જ	2	2	2	5.6	2.7	2.9	2	2
1,4-Dichlorobenene	<b>2</b>	8	2	7.5	8.4	2	2	2	2	2	2	2	2
Acemeghethere	7	¥	2	2	2	2	2	2	2	5	2	2	2
1,2,4-Trichlombersers	<b>2</b>	픮	2	9	2	2	2	2	2	2	2	2	2
marchiocobernmens	¥	¥	2	£	2	2	2	2	2	2	2	2	2
Beschloroschene	¥	띺	2	2	2	2	2	2	2	2	2	2	2
Bis(2-chloroettyl)ether	¥	¥	2	2	2	2	2	2	2	2	2	2	2
2-Chlororaphebalers	<b>¥</b>	¥	2	2	2	2	2	2	2	2	2	2	2
3,3'-Dichlorobenzidine	¥	¥	2	2	2	2	2	2	2	2	2	2	2
2,4-Dinitrotolume	¥	¥	2	2	2	2	2	2	2	2	2	2	2
2,6-Dinitrocolumn	黑	¥	2	2	2	2	2	2	2	2	2	2	2
Plucenthere	¥	¥	2	£	2	2	2	2	2	2	2	2	2
4-Chloropheryl pherylether	¥	¥	2	2	2	2	2	2	2	2	2	2	2
M-nit coedinatly lamine	¥	¥	£	£	£	£	£	≨	£	£	£	2	Į
M-nitrosodi-n-propylanine	¥	¥	2	2	2	2	2	2	2	2	2	2	2
Bis(2-ethylhesyl)phrhelate	Ħ	¥	2	2	2	2	2	2	2	2	2	2	2
Barylberzyl pitchelete	¥	¥	2	2	2	2	2	2	2	2	2	2	2
Di-n-butyl pistralate	¥	更	2	2	2	2	2	2	2	2	2	2	2
Di-n-octyl phthalate	<b>E</b>	更	2	2	2	2	2	2	2	2	2	2	2
Discipil phthalate	<b>9</b>	M	2	2	2	2	2	2	2	2	2	2	2
Dissectivit phychalate	¥	劉	2	2	2	2	2	2	2	2	2	2	2
Bengo(a)amhraome	¥	¥	2	2	2	2	2	2	2	2	2	2	2
Berso(a)pyrome	¥	2	2	2	2	2	2	2	2	2	2	2	2
Berno(k) fluoranthere	¥	¥	2	2	2	2	2	2	2	2	2	2	2
Chrysene	<b>H</b>	<b>2</b>	2	2	2	2	2	2	2	2	2	2	2
domagnichy lene	<b>W</b>	Ħ	2	2	2	2	2	2	2	2	2	2	2
Architecture	(LOQ)0.7 NE	里	2	2	2	2	2	2	2	2	2	2	2
Bis(2-chlorosthosy)asthere	2	<u>w</u>	2	2	2	2	2	2	2	2	2	2	2
Breach County & and Some	į	ç	9	9	!	•	•	í	٩	•	ŗ		•

ALL BUTS AND ug/1

NA = Munitocing Well

FIA = First field deplicate analysis

FIB = Securi field deplicate analysis

LIA = First Laboratory deplicate analysis

LIB = Securi Laboratory deplicate analysis

ND = Nothing detected
NA = Not analyzed
LQ = Limit of quantitation
NE = Not established RADIAN = Radian Corporation, Secramento
CSS = Caronie Brvicomental Services
SAC = Redian Aralytical Services, Secramento

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	SHOO	S E				3	LELL MARKET						
Parameter	Action	F 4	Primary 144-215 M.C.	M4-33S	MF-33S	19 <del>-11</del>	111-191	M-114	H+128	M+128	MF-128	M-128	₩+129
Ground Mateer Zone			HOTIMES	SENCTON	SHILON	MUCH	SEWLON	SHALON	MOTAMES	SENTON	SPALICE	SEWICE	MINTER
Date Sampled			07/26/88	07/21/88	07/21/88	07/20/98	07/12/88	07/12/88	07/12/86	07/12/88	07/12/8R	07/12/88	07/12/98
Sampled By			RADIAN	PACITAN	RADIAN	PADLAN	RADIAN	RADILAN	RADIAN	PADIAN	RADIAN	RACITAR	RADIAN
Date Analyzed			08/11/88	08/11/88	08/11/88	08/11/88	07/22/88	07/27/88	07/27/88	07/27/88	08/10/88	07/23/88	08/10/86
3			S	Sec	3	3	Sec	SKC	3	SEC	3	8	S
Field Amalynis									Æ	Ş	5		
Leb Amelysis				<b>Š</b>	<b>9</b>				á	<b>8</b>			
Hemothlococyclopentadies	Æ	¥	2	ē	9	5	2	2	ē	Q	2	2	Q
Leophorone	¥		2	2	2	2	2	2	2	2	2	2	2
Septembers	₩	<b>2</b>	2	1.9	2.2	2	2	2	2	£	2	2	2
Mirobersens	¥	<b>H</b>	2	ē	2	2	9	2	2	2	2	2	2
Phenanthonna	¥	7	2	2	2	2	2	2	2	2	2	2	2
Otherso(a,h)enthrous	*	星	2	2	2	2	2	2	Q	2	2	2	2
Induro(1,2,3-od)pyrome	¥	2	2	2	2	2	2	2	2	2	2	2	2
Pyseus	₩	¥	2	2	2	2	2	2	9	2	2	2	2
2,4,6-Trichlosophenol	<b>2</b>	¥	2	2	2	2	2	2	2	2	2	2	2
2-Chlosopherol	¥	발	£	₽	2	2	2	2	2	2	2	2	2
2,4-Dichloropherol	黑	말	2	€	2	2	2	2	£	2	2	2	9
2,4-Dimechylohenol	\$	¥	2	Q	2	2	2	2	2	2	2	2	2
2-Hitmophenol	발	¥	2	e	2	2	2	2	욮	2	2	2	£
4-Hitzaphanol	벌	¥	2	2	2	2	2	2	2	2	2	2	2
2,4-Dinitrophenol	¥	更	2	2	2	2	2	2	2	2	2	2	2
Pertachlosophenol	æ	¥	2	2	2	2	2	2	£	2	2	2	2
Phenol	Ħ	更	2	2	2	2	2	2	2	2	2	2	2
M-nitmoodiphery Lenins	¥	翼	2	2	£	2	2	2	ē	2	2	2	2
Beneidtine	星	¥	£	≨	£	ź	£	≨	¥	£	≨	2	£
· Scompleny phayletter	¥	벌	2	2	2	2	2	2	2	2	2	2	2
Bis (2-chlorolaspropy) ether	<u>.</u>	麗	2	2	2	2	2	2	2	2	2	2	2
Benno(g,h,1)perylene	¥	里	2	2	₽	2	2	2	2	2	2	2	2
Photome	¥	<b>W</b>	2	2	2	2	2	2	2	2	2	2	2
4-Chloro-3-methylphenol	¥	里	2	2	2	2	오	2	2	2	2	2	2
4,6-Dintero-2-methylphenol	更	₩	2	2	2	2	2	2	2	2	2	2	2
Andline	¥	¥	£	£	≨	£	¥	£	£	£	£	Į	£
Beneyl alochol	禹	<b>E</b>	2	£	2	2	2	2	2	2	3	≨	2
2-Mechylphanol	¥	₩	2	2	2	2	2	2	2	2	2	2	2
4-Methylphanol	¥	별	2	2	2	2	2	2	2	2	2	2	2
	9	į	9	S	S	S	S	9	ş	9	ş	4	ç

ALL UNITS ARE ug/1

PM = Monitoring Mall

FDA = First field deplicate scalysis

FDA = Secord field deplicate scalysis

FDA = First laboratory deplicate scalysis

FDA = First laboratory deplicate scalysis

FDA = First laboratory deplicate scalysis

NATAN = Radian Corporation, Secremento
GES = Caronie Braincamental Services
SAC = Radian Analytical Services, Secremento

NO = Nothing detacted NA = Not emalyzed NE = Not established

TABLE 1-34. (continued)

Parameter	Action 1	U.S.EM Primery M.C.	M-215	MH-338	H+338	9 14 14	HELL MYSSER NS-111	<b>111-114</b>	M+128	<b>₩</b> -138	M+128	M4-128	MF-129
Ground librar Zone			SEWLLOW	SHELON	SEMILON	SENTON	SENTOR	SERTON	SHALLON	SEWILOW	SEWLICH	NOTABLE	MEER
Date Sempled			07/26/88	07/27/88	07/21/88	98/02/40	07/12/88	07/12/88	07/12/88	07/12/88	07/12/88	07/12/86	07/12/8
Sempled By			PADIAN	PACEAR	PADIAM	PADIAN	PADIZAR	PACILAN	PACITAN	PADIAN	PACTAR	RACILAN	RVDIAM
Date Analysed			08/11/86	08/11/88	08/11/88	08/11/88	03/22/08	07/27/88	07/27/88	07/27/88	08/10/88	07/23/88	08/10/88
4			S	3	Sec	3	Se	2	S	2	S	8	S
Field Amiyats									Ž	Ž	2		
Lab Analyzia				4	<b>9</b>				4	<b>9</b>			
4-Orlowerd line	¥	¥	2	2	2	£	9	2	2	2	2	ž	2
2-Mathylangheimlorn	빌	¥	2	₽	2	£	2	2	2	2	2	2	£
2,4,5-Trichlosopherol	발	¥	<u> 2</u>	9	욮	£	2	2	2	2	2	9	£
2-Hitmeniline	벑	¥	2	2	2	£	2	2	9	2	2	£	£
3-Microsoftha	Ħ	¥	9	2	£	요	2	2	2	2	2	£	2
Diberatofuzen	발	¥	2	2	2	2	유	2	2	2	2	¥	2
4-Httmmille	띺	¥	₽	2	2	2	2	2	2	2	2	£	£
Berno(b) fluoranthers	舅	¥	9	ğ	Q	2	2	2	2	9	2	2	ē

ALL UNITS AME ug/1

No = Menicocing Mell

FRA = First field deplices enalysis

FRA = Secord field deplices enalysis

IAM = First laboratory deplicate enalysis

IRM = Secord laboratory deplicate enalysis

NOIAN = Redian Corporation, Secremento CES = Caronie Bivinozmental Services SAC = Redian Amalytical Services, Secremento

ID = Nothing detected IA = Not enalyzed IE = Not established

LMEE 1-34. (continued)

	900	U.S.EPA	,	MEDICAL TEN	
	Action	Prinary M4-136	M-136	144-143	
Parameter	3	덫			
Ground Mateur Zone				480	
Date Sempled			07/14/88	07/21/86	
Sempled By			RADIAN	PADILAN	
Date Analyzed			07/25/88	08/11/86	
4			SAC	SAC	
Field Amlysis					
Lab Armlysis					
1.3-Dichloroberance	130	5	2	Q	
1.2-Dichlorobacoana	81	¥	2	2	
1,4-Dichlorobenens	*	20	2	. 2	
Acutachethera	¥	¥	2	2	
1,2,4-Trichlocobernens	Ħ	¥	Q	2	
inechloroberane	2	띺	2	2	
Hamschlorcethans	<b>Y</b>	翼	2	2	
Bis(2-chlorostigi)ether	¥	曼	2	2	
2-Chlosomaphathalam	<b>2</b>	7	2	2	
3,3'-Dichlorobensidins	¥	뜊	2	2	
2,4-Dinitrotolume	¥	<b>y</b>	2	2	
2,6-Dinitrotolians	¥	<b>y</b> !	9 !		
Passenthene	일	¥	2	2	
4-Chloropharyl pharylether		<b>y</b>	2	2	
<b>Fritzosodizacty</b> lanina	¥	빌	≨	¥	
Wnitrosodi-n-propylanins	<b>2</b>	黑	£	Q	
Bis (2-erty/happi) jahrhalate	¥	¥	£	2	
Barylbanayi pirthalate	¥	¥	2	9	
Di-n-bayl phrhalate	¥	¥	₽	9	
Di-n-octyl pizhalate	里	¥	2	2	
Discipit phthalate	<b>Y</b>	발	皇	2	
Dimectarl phthalace	별	띹	2	9	
derso(a) enthrocers	ij	발	2	2	
Berseo(a)pyrum	¥	벌	2	<del>Q</del>	
Benso(k) fluocanthers	更	딸	2	9	
Chrysene	¥	¥	2	9	
homaphtiyi ene	¥		2	9	
reheacours	100 100 100 100 100 100 100 100 100 10		2	2	
Bis (2-chloroethosy)methers	里	¥	2	2	
Besechloeyburadiene	띺	말	2	2	
mediococyclopercatiens	¥	Ħ	2	2	
AL UNITS AR ug/1					
W - Mentioning Wall			Ž	Z	
i			ð	SKC = Radian Amalytical Services, Secremento NA = Not emalymed	

1-95

ND = Nothing detected
NA = Not analysed
LΩ = Limit of quantitation
NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

County   C		900	U.S.EPA		NEET NOBER	
DESP   DESP   DESP   DISP	Personalar	Act ion	Primery PG.	#+136	HF-143	
NOTA   SOCIETY	Ground Mateer Zone			200	0229	
MODIAN MADIAN  MODIAN	Date Suppled			07/14/88	07/22/00	
SAC SAC MALLANS  SAC SA	Sempled By			RADIAN		
HE HE HO	Date Analysed			07/27/08 07/27/08	08/11/88	
HE HE HO	3			ž	ž	
NE	Field Amalysis Lab Amalysis					
ME ME ME NO	Legharan	¥	92	2	Q	
ME ME MO NO	Maptersalens	¥	뜊	2	2	
ME ME NO	Mtroberens	<b>¥</b>	발	2	₽	
HE HE HE HO	Phenentheness	麗	¥	욮	Q	
HE HE HE HO	Otherso(a,h)arthracers	Ħ	黛	ð	2	
HE HE HO	Indens(1,2,3-cd)pyxens	翼	麗	2	2	
HE HE HO	Pyrame	¥	¥	2	2	
	2,4,6-frichlosspherol	¥	¥	<b>9</b>	9	
K	2-Orlosspherol	띺	빞	2	2	
400 NE NO	2,4-Dichiczophenol	¥	¥	2	9	
NE   NE   NO   NO   NO   NO   NO   NO	2,4-Dissettylphenol.	ŝ	¥	9	2	
No.	2-Micospherol	¥	¥	2	2	
ME ME MO	4-filtopherol	¥	¥	2		
MANUAL MA	2,4-Dinit aghenol	발	¥	2	Q	
MR MR MO	Perceptionopherol	R	¥	<b>2</b>	Q	
ME NE NO	Phenol	¥	Ή	£	2	
	F-nit-rosodiphery/amine	별	¥	2	Q	
M	Beneidine	Ħ	¥	Į	•	
Active We No	-Boundings phenister	M i	¥ !	<b>9</b> !	₽!	
Mar	Sis (2-chioroisopropy) jether		ž :	2 !	<b>2</b> !	
AL ME NE NO	Beneo(g,h,i)perytene	<b>2</b> 9	¥ 9	2 9	2 9	
March R. N.		2 9	e 9	2 9	2 6	
HE HE HO	TOTAL STORY		2 9	2 9	2 \$	
HE HE HO	4,0-United-2-metry teneral		9	2 :	2 :	
NE NE NO		2 9	2 9	E 9	ES	
NE NE NO	TOTAL TANKS	2 9	2 9	9 9	2 9	
NE NE NO NO NE NE NO NO NE NE NO NO NE NE NE NO NO NE NE NE NO NO NE NE NE NE NO NO NE N	2-mary special	<u> </u>	e e	5 5	2 9	
NE NE NO NO NE NE NO NO NE NE NO NO NE NE NO NO NE NE NE NO NO NE N	bjer ofers	! 1	9	9	. 2	
NE NE NO NO NE NE NO NO NE NE NO NO RATIAM = Redian Corporation, Secremento NO SAC = Redian Amplytical Services, Secremento	A-Ohoroand Line	į į	<u> </u>	9	! <b>2</b>	
NE NE NO NO RATIAN = Redian Componention, Secremento NO SAC = Redian Analytical Services, Secremento NA	2-Mechalizacitetralians	¥	2	2	2	
NATIAN = Redian Componention, Secremento NO SAC = Redian Analytical Services, Secremento NA	2,4,5-Trichlocopherol	2	2	2	2	
MAILM = Badian Copocation, Secremento NO SAC = Badian Amalytical Services, Secremento NA SAC = Badian Amalytical Services Secremento	A11. 100TTS ARR vm/1					
SAC = Radian Analytical Services, Secremento NA	Act of Marie Acts (Acts)			â	2	, detected
THE PROPERTY OF THE PROPERTY O	The Estationary - All			₹ 6	4	lyzard
				ri T	= Marine Arelytical Services, Servenses, Ser	114.

Parameter	Action [see]	Prince MA	U.S.EM Primary H4-136 NG	173H	NET NIFER
Ground blacer Zerns Dutes Sumpled Sumpled by Dutes Arniyand Lab Floid Arniyais Lab Arniyais			07/14/88 07/14/88 07/25/88	DESP 07/21/88 RNDZAN 06/11/88 SAC	
2-litenantina 3-litenantina Dibenadaran 4-litenantina Bene(6)finometera	<b>FFFF</b>	<b>FEFF</b>	22222	2222	
AL UKIS ARE us/1 144 - Mentecring Wall			DVI.	MOLAN = Radian Corporation, Secremento	N) a Marthire deserted

(

THEIR 1-35. IMPRIENT LOS OF WELLS SAMPLED FOR PREDICTLY POLITIMAT METALS AND OTHER DIRECAULD CHARGES. THOUGHT OF BACK, CHOLICIAMENS SAMPLING AND ANALYSIS PROCHAM, JULY THOUGH SEPTEMBER 1988, MACHELINE AND

	<b>SE</b>	U.S.EPA				_	EL NIMER						
acetal de la constant	Act ion Lavel	h Primary M4-21D	97 <b>1</b>	M4-21S	<b>4</b> -22	¥-36	<b>*</b>	<b>3</b> 448	<b>M-44</b> S	S14-45	<b>M</b> +108	<b>H</b> -114	<b>4</b> -115
Ground Water Zone			MEDIE	MOTANES	220	SHALON	HOTINES	SEWLLON	HOTHES	MOTMES	METALE	SENCTON	MEDICAR
Date Sumpled			07/18/88	07/26/88	07/14/88	07/11/88	07/20/88	07/20/88	07/20/88	07/20/88	07/12/88	07/12/88	07/18/88
Sempled By			RADIAN	RADILAN	RACIAN	PADIAN	PADIAN	RADILAN	RADIAN	PADIAN	RADIAN	PACEAN	PADIAN
Date Analyzed													
3			S	3	3	S	S	SAC	Sec	Ø	SE SE	S	S
Field Arelysis							Æ:	<b>é</b> :	2				
Lan Amalysis							WT.	8					
for Jacop	<b>¥</b>	虽	2	2	2	2	2	2	2		2	2	2
bremic	景	0.050	2	2	2	2	2	2	2	õ	2	£	2
beryllium		*	2	9	2	2	2	2	2	2	£	욮	2
Cadadam	Ħ	0.010	2	Q	2	2	2	2	2		2	£	2
Secondan	曼	0.050	0.013	2	0.014	2	0.044	9,0,0	0.042	9.0g	0.00	0.007	0.019
Oppor	麗	¥	2	2	2	2	£	2	2		£	2	2
Lend	¥	90.0	2	2	2	£	£	2	2	2	₽	2	2
Among	¥	0.00	5	2	2	£	£	2	皇	2	₽	£	2
Coloni	聖	¥	2	1.7	2	2	0.080	0.078	0.072	0.084	2	0.08	2
plentes	¥	0.010	2	2	2	₽	£	2	욮	2	2	2	2
Liver	Ħ	99.0	2	2	2	₽	2	2	2	5	2	2	2
hallism	Ŋ	¥	2	<b>e</b>	2	2	2	2	2	2	<u>9</u>	2	2
ine.	ij	¥	2	0.018	0.003	0.00	0.005	0.0g	0.00	2	2	90.00	2
Tuccerne.	¥	¥	2	2	2	£	£	2	2	£	£	윤	2
<b>Plette</b>	필	¥	2	2	2	2	£	2	2	£	2	2	2
Chloride	Ħ	曼	2	2	2	2	2	2	2	£	2	2	2
Sectionals	¥	꾶	2	2	2	2	2	2	2	£	2	2	2
Licen	¥	¥	2	2	2	2	2	£	2	£	2	2	2
Acartonata	픮	¥	2	2	2	2	2	2	2	£	2	2	2
e de la constante de la consta	뜊	<b>2</b>	2	욮	2	2	2	2	2	£	2	2	2
Sodium	¥	2	2	2	2	æ	2	2	2	£	2	9	2
Aulfate	嵬	曼	2	욮	윤	2	2	£	2	£	2	2	2
bectum	闦	1.0	2	2	2	2	2	2	2	£	2	2	2
brgarate	¥	꾶	2	2	2	2	2	2	2	£	2	9	2
local Alkalinicy	Ħ	¥	2	2	2	2	2	£	2	£	2	2	2
Atrabe	筻	వ	2	£	2	9	2	2	2	£	2	2	2
focal Dissolved Solids	¥	麗	2	2	9	2	2	2	2	£	2	£	2
11. UNITS ARE me/1													
W - Mandtouring Well			æ	RADIAN = Radian Corporation, Secremento	Corporation,	Secremento	•	ND = Northing detected	detected				

1-98

Mattering teat.
 First field deplicate analysis
 The Second field deplicate analysis
 IDA - First laboratory deplicate analysis
 IDB - Second laboratory deplicate analysis

NAULAN = Ratian Corporation, Secremento
GS = Cannole Environmental Services
SAC = Radian Analytical Services, Secremento

NO = Nothing detected NA = Not enalyzed NE = Not established

MASTRA LOG OF WELLS SAMELED RYR U.S. 129A METHED SAMOLO COMPOLINGS RYR AREA C. AND ADJACTANT OH-BASEZ AREAS, CHOLIDIANTIS SAMELLING AND AMILYZIS INCORMA, JLY TERGUER SEPTEMBER 1988, MCC.ELLAN APB TABLE 1-36.

Personaler	OCES Action Level	U.S.EPA Primery MC.	M-115	M4-128	M+128	# # #	HELL, NUMER 144-129	M4-133	¥4-134	<b>34</b> -135	NH-136	M+136	N <del>4-</del> 137
Ground Nation Zone Date Sempled			MEDICAL 07/118/86	SEMILON 07/12/86	SENTION 07/12/88	SPALLON 07/12/88	MEDILE 07/12/88	DESP 07/11/88	07/11/88	METELE 07/11/88	DESP 07/14/88	DESP 07/14/88	DESP 07/14/86
Date Analyzad			07/27/88	07/26/88	07/26/88		98/9Z/LO	07/14/88	07/14/88	07/14/86	PADIAN 07/27/86	RADILAN 07/28/88	PADIAN 07/28/88
Lab Flaid Aralysis Lab Aralysis			3	3 E	2 E	8	y S	<b>S</b>	<b>S</b>	<b>3</b> 5	S 4	) ) ) )	S S
Total cyunide Ammable cyunide	0.200	0.200	22	22	22	2 £	22	22	22	22	22	22	22
ALL UNITS ARE mg/1  M4 = Menicocing shill  FIA = First finid deplicate semiyais  FIA = Second finid deplicate semiyais  FIA = First finid deplicate semiyais	e sralysis te sralysi			RADICAN - Reduen CSS - Central SAC - Reduen	= Radian Omporation, Secremato = Cenonia Brainomental Services = Redian Analytical Services, Secr	, Severanto 21 Services ervices, Secu	O)	<ul> <li>(i) = Nothing detected</li> <li>(ii) = Not analyzed</li> </ul>	deracted				

rs - rentiforing sell.

File field deplicate senjvis

File Scorri field deplicate senjvis

IM - First laboratory deplicate senjvis

IM - Secord laboratory deplicate senjvis

IM - Secord laboratory deplicate senjvis

Permeter	DOBS Action	U.S.EPA Primary 144-137 M.C.	M-137	) <del>41-</del> 137	M4-138	¥-138	WZZ. NUMBR 14-140	76-141
Ground istem Zone Date Sampled Sampled By Date Arailyand Lab Flaid Arailyans Lab Arailyans	1 1		1252 07/14/88 RADIAN 07/28/88 SAC FIS	2002 07/14/86 BACICAN	DB2P 07/14/88 PADIAN 07/26/88 SAC	SENZION 07/08/88 74/02/88 07/12/88	07/07/88 07/07/88 07/12/88 SAC	17200 07/08/68 PACTAN 07/12/88 SAC
Total cymrids Americke cymrids	0.200	0.200	22	₽ ≨	22	55	29	9 9
AL UUTS AR mg/1 144 = Mantocing (all) 178 = Secret field deplicate (	te analysis		2 69 3	NATAM = Radian Comporation, Secremons CES - Commiss Sevience Services CES - Commission Services	Corporation, Brytogramme	Secreto	==	NO = Nothing detected NA = Not emilyzed

TABLE 1-37. INSTITUTO OF WELLS SAMPLED FOR U.S. ERA MERIED 601 COPICULIS FOR THE MEST, ORGENOMERS SAMPLED OF AN ANNUALS PROCESM, JULY THOURS SEPTEMBER 1998, MCLELAN AFS

		U.S.EPA				_	EL KIMER		
Personalar	Action [evel	N C	Primary M4-1017	M+1018	<b>103</b> 2	#-1083	<b>163</b> +163 <b>4</b>	MH-1035	M+1036
Ground Mateer Zone			MOTOMES	SHILLON	MIDDLE	SHALON	MODE	83	NOTIVES
Date Seepled			07/12/88	07/23/88	07/14/88	07/13/88	07/13/88	07/13/88	07/22/88
Sampled By			RADIAN	MOLAN	RADIAN	PADIAN	RADIAN	RADIZAN	RECEAN
Date Analyzad			07/14/88	07/26/88	07/15/88	07/14/88	07/14/86	07/14/88	07/26/88
3			38	SK	S	3	3	S	35
Field Amlysis Lab Aralysis									
Chlocomethens	曼	2	Ð	2	2	2	2	Q	9
Becommethers	¥	<b>2</b>	2	2	2	2	2	£	2
Viryl chloride	7	_	2	2	2	5	2	2	£
Chloroethers	¥	<b>E</b>	2	2	2	2	2	2	2
Methylens chlorids	3	2	2	2	2	2	2	윤	2
Trichlocofluoromethene	3,00	2	9	2	2	요	2	<b>9</b>	2
1,1-Dichlorosthers	•	7	£	2	2	2	2	2	2
1,1-Dichlocoethers	8	¥	2	2	2	오	2	2	2
Total 1,2-Dichlocosthers	91	2	2	0.430	2	2	2	£	0.31C
Chloroform	8	9	2	0.14C	2	2	2	2	2
1,2-Dichlamethere	-	٠,	<del>2</del>	욮	2	e.	욮	2	2
1,1,1-Trichlomethene	8	â	2	2	9	2	2	9	2
Carbon tetrachloride	<b>5</b>	Ś	2	Q	2	2	2	2	2
Becmodichloromethers	8	8	2	9	2	2	2	2	2
1,2-Dichloroperpers	2	¥	2	2	2	2	2	2	2
Trans-1, 3-dichlosopropers	¥	¥	2	2	2	2	2	2	2
Trichlocosthene	Ś	'n	2	0.380	2	<del>2</del>	2	2	0.360
Dibecacchicecuarthers	뙲	8	2	2	2	2	2	2	2
1,1,2-Trichlomethere	텶	¥	2	2	2	2	2	2	£
cis-1,3-Dichloropens	8	¥	2	2	2	2	2	2	2
2-Chloroethylvinyl ether	¥	¥	2	2	2	2	2	2	Q
Визпобост	8	8	2	2	2	5	2	2	Q
1,1,2,2-Tetrachlocoethers	2	翼	2	2	2	2	2	2	£
Tetrachlocoethere	•	¥	2	2	9	2	2	2	2
Chlorobenesse	R	里	2	2	2	2	2	2	Q
1,3-Dichlorobensens	2	<b>2</b>	2	2	2	2	2	2	2
1,2-Dichlorobensers	92	¥	2	2	2	2	2	2	Q
1 4-Dichi combanana	2000	į	9	į	!		!		

ALL UNITY, ARE UB/1
M. = Mail oring Wall

RADIAM = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detected
C = Analysis confirmed in second colum analysis
LQQ = Limit of quantitation
NE = Not established

TABLE 1-36. MASTR LGS OF WELLS SAPELED FOR U.S. IZAN METHOD 602 COMPULNOS FOR THE MEST AREA, CHOLHOLATRE SAPELTIC AND ANALYSIS PRICEMEN, JULY THROUGH SEPTEMENS 1969, PACIZLAM ARE

	DOBS	U.S.EM Primary	M4-1017	M#-1018	M+1032	¥-1033	WELL NUMBER 144-1034	M-1035	M#-1036
Parameter	Level	덫							
Ground Water Zone			MOTIVES	SEWLON	MEDILE	MITON	KERTE	â	HOTINES
Date Sampled			07/12/88	07/23/88	07/14/88	07/13/88	07/13/88	07/13/88	07/22/88
Sampled by			PADIAN	RADIAN	RADITAN	RADIAN	PADIAN	RACITAR	ROLAN
Date Analysed			07/14/88	07/26/88	07/15/88	07/14/88	07/14/88	07/14/88	07/26/98
9			S	Sto	Sec	3	Sec	3	S
Field Amalysis Lab Amalysis						i			
Chlorobersens	8	3	9	9	Q	9	ç	2	OX.
1,3-Dichlorobeneers	130	¥	2	9	9	2	2	2	2
1,2-Dichlorobersers	130	<b>E</b>	2	2	2	2	2	2	2
1,4-Dichlocobermers	(100)0.5	<b>3</b>	2	9	2	2	2	2	2
Berneus	r:	٠,	2	2	2	2	2	2	2
Bity lbensens	99	更	2	2	9	2	2	2	2
Tolume	8	띭	2	2	2	2	9	2	Q
ALL UNITS ARE ug/1									

AL Guis As ug/1

RADIAM = Radiam Organization, Secretowato SAC = Radiam Amalytical Services, Secretorio

NO = Northing detacted LOQ = Limit of quencitation NE = Not established

TABLE 1-99. INSTER LIGG OF HELLS SWIPLED FOR U.S. EYN CLP HEREID 62A CHPCHAUS FOR THE MEST AREA, CRUINCHORRE SWIPLING AND ANNINGUS FROCKHM, JULY THORIES SEPTIMENER 1998, MCAELAN APR

Court fuer Zee   Cour		DOBS Act ion	U.S.EPA Primery	M-1036	WELL MANER
SMALLON  107/2/88  PACTAMB  SMC  SMC  SMC  SMC  SMC  SMC  SMC  S	Parameter	Love	렃		
## 100   100	Ground Matter Zone			SEMILOW	
## WOLVAN	Date Sempled			07/22/86	
26/02/88  26/02/88  27/02  28/03  29/03  20/	Sampled By			RADIAN	
Marian   M	Date Analyzed			08/02/86	
## ## # # # # # # # # # # # # # # # #	3			3	
## ## ## ## ## ## ## ## ## ## ## ## ##	Field Amelysis Lab Amelysis				
## ## ## ## ## ## ## ## ## ## ## ## ##	Chlocomthens	¥	2	2	
2 1 1 10 10 10 10 10 10 10 10 10 10 10 10	Becommethene	¥	발	2	
## ## ## ## ## ## ## ## ## ## ## ## ##	Vinyi chioride	7	1	2	
## 3400 ## 180 #	Ohloroethere	麗	꽃	2	
### 3400 NB NA ### 15 NB ### 15 NB ### 15 NB ### 100 NB	Methylers chlorids	3	¥	2	
10   100	Trichlocofluoromethms	ş,	¥ ,	≨ 9	
10 100 100 100 100 100 100 100 100 100	1,1-Dichilobedians	٤ ۵	٠!	5 8	
1	1,1-Dichloroethene	<b>a</b> :	<b>2</b> 9	2 9	
100 100 100 100 100 100 100 100 100 100	Total 1,2-Vichickoschere	<u> </u>	<u>.</u>	2 9	
200 200 80 81 100 100 80 1100 100 80 1100 100	Calconations 1.2-Dichlorostrana	₹ _	₹.	5 5	
100   1100   M   M   M   M   M   M   M   M   M	1.1.1-Trichlomosthers	, g	, 8	2	
100 100 MD  100 ME NO MD  100  Carbon tetrachilocide	'n	'n	2		
100 MG	Bromodichiocomethere	81	93	2	
Para M M M M M M M M M M M M M M M M M M	1,2-Dichloropeopers	2	꾶	윤	
5 5 8 80  100 100 100 100 100  100 100 100 100  100 100	Trans-1, 3-dichloropropens	¥	¥	2	
100 1100 MO 100 MS NO 100 MS NO 100 100 MS NO 100 100 MS NO 100 MS	Trichlocosthers	•	s,	웃	
100 MM MO  100 100 MM MM  100 100 MM MM  1 100 100 MM MM  1 2 5 MM  100 MM MM MM  MM MM MM  MM MM MM  MM MM MM  MM MM	Othersmochilogramschans	8	9	9	
100   100	1,1,2-Trichlomethere	<b>8</b> 8	<b>¥</b> 9	2 !	
100 100 100 100 100 100 100 100 100 10	cis-1, 3-Utalloropers	à !	2 !	2	
140	2-Chlocoettylvkyi e.her	<b>1</b>	¥ :	≨ !	
1	Secure and the second s	3 ,	3 ;	5 8	
30 NR NO 37 55 NO 300 NR N	1,1,1,2,4 Am Caralled and Caral	Ų.	5 5	5 8	
1		, ş	2 9	9 9	
600 KE NO 100 KE NO NE NO N	Bernett .	3 -	ė,	2 9	
100 MG ND MG M = Redien Oxforce in, Secretarity	Structure	: 5	n %	2 5	
NE NE NO NE N	Tolimon	8	Y	9	
NG NG NO NG N	Acetorie	¥	2	2	
NE NE NO NE NE NO NE NE NO NEITAN = Radian Capacas ion, Saccettento NO	Carbon disulfide	更	爱	2	
NE NE ND  RECTAN = Radian Corporation, Secretarity NO	2-Barate	¥	¥	2	
RADIAN = Radian Corporation, Secretarito NO	Viryl acetate	爭	<b>2</b>	2	
RADIAN - Radian Corporation, Secondarito NO	N.L. UNITS ARE UR/1				
	144 = Manistocing Wall				2

ND = Nothing detected NA = Not analyzed NE = Not established

RADIAN = Radian Corporation, Secretario SAC = Radian Analytical Services, Secretario

	Action Level	U.S.EPA Princy	W-1036 WELL NAMES	
Ground Meteor Zone Date Sempled Sempled By Date Anniyand Lab Field Anniyals Lab Anniyals			SBALLCH 07/22/88 08/02/88 SAC	
2-Hearton 4-Hethyl-2-pertanna Symes Total Aylens	<b>335</b> 7	<b>M M M M</b>	2 Q Q Q	
ACL LICTS ARE up/1 14 = Menteoring Hall			MAXIAM - Radian Companion Servences	Company of the desired and the second

1-104

TABLE 1-40. MISTOR LCG OF WELLS SAMPLED ROR FROMETLY POLLUTANT METALS AND OTHER TARGANDO COMPUNDS FOR THE WEST AREA, GROUNDARDE SAMPLING AND AMELYSIS FROCKMY, JULY TROUGH SEPTEMBER 1998, MICERLAN AND

Parameter	Action Level	U.S.EM Primery NG.	U.S. 2PA Printery M4-1018 Printery M4-1018 PG.	
Ground Natur Zone Date Sempled			SHALCH 07/23/88	
Sempled By Date Arelymed			BADILAN	
4			280	
Field Arelysis Leb Arelysis				
Arr Jacop	냎	2	**************************************	
Arsenic	2	0.050		
Baryllian	瓷	¥		
Ouchellus	분	0.010		
Chromium	¥	0.050		
Capper	¥!	¥ .		
	£ £		2 5	
Wickel	<b>2</b>	里		
Selentim	2	0.010		
Silver	¥	0.050		
Thellium	¥	Ή		
Zinc	<b>y</b>	<b>Z</b>	2	
Placemen	<b>y</b> !	<b>y</b>	2 :	
Calctin	2 9	2 4	2 9	
Carbonate	9	2 %	2 9	
Inon	<u> </u>	2	! <b>2</b>	
Bicartonate	¥	爱	2	
Magnetatum	¥	2	2	
Sodium	Ä	¥	2	
Sulfate	Ā	¥	2	
Bertum	¥	1.0	2	
Marganase	¥	¥	2	
Total Alkal inity	¥	¥	2	
Nicoste	¥	3	2	
Spent Dispersional Colins	į		•	

ND = Northing detacted NE = Not established

RADLAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ALL UNITS ARE mg/1. PM = Menicoring Wall

## RADIAN

TARE 1-41. INSTER LCS OF WELS SAMEDD FOR U.S. BY NORDO SAFOTO OPECUNS FOR THE WEST AREA, GROUNDMOTE SAMELING AND ANALYSIS FROTAMI, JULY THROUGH SEPTEMER 1988, MCAELAN AFB

Permuter	DOBS Action Level	U.S.EPA Primery MC.	U.S. EPA Primmy M4-103A M2.
Ground letter Zone Date Sampled Sampled By Date Aralymed Lab Field Aralymis Lab Aralymis			MITTLE 07/13/88 RADIAN 07/26/88 SAC
Total cyunide Amnable cyunide	0.200 0.200 0.200 0.200	0.200	Q Q
AL UNITS ARE mg/1 M = Ministering Mall			RADIAN = Radian Componentor, Secremento NO = Norbing detected SAC = Radian Amalytical Services, Secremento

THREE 1-42. INSTER LCG OF WELLS SAMPLED FOR U.S. ERA METHOD 601 COMPOUNDS FOR AREA D AND ADJACED CHERGE MEZAS, GROUNDHATER SAMPLING AND ANNIXEIS FROSHM, JLY THROUGH SEPTEMER 1988, MCJELAN APB

			U.S.EM											
Colorado	Personal	At in	Primary AG.	# K	<b>파</b> 다	年	<b>3</b>		<b>10</b>	<b>1</b>	<b>3</b>	*	\$ 35	( <del>9</del> +8)
Marches   Marc	Ground Macter Zone													
MATCHAN         MATCHAN <t< td=""><td>Date Sampled</td><td></td><td></td><td>08/03/8B</td><td>09/05/88</td><td>09/05/88</td><td>08/03/88</td><td>09/02/88</td><td>09/05/88</td><td>98/10/80</td><td>09/07/88</td><td>98/03/98</td><td>09/02/88</td><td>08/07/98</td></t<>	Date Sampled			08/03/8B	09/05/88	09/05/88	08/03/88	09/02/88	09/05/88	98/10/80	09/07/88	98/03/98	09/02/88	08/07/98
OALON (48)         OALON (	Smithed By			PACIAN	RACKAR	PADIAN	PACIFA	PADIAN	RADILAN	RADIAN	RADIAN	PADIAN	BACILAN	PADIAN
13	Date Analyzed			98/08/98	88/90/60	98/90/60	08/08/88	98/90/60	98/90/60	06/10/86	98/90/60	98/90/90	98/90/60	98/10/98
1.04   1.15	4			SKC	S	S	S	S	3	3	3	S	SKC	SKC
13A   118	Field Amplysis													
10	Lab Aralysis				ĄŢ	9								
9328 3642 3028 10 10 10 10 10 10 10 10 10 10 10 10 10	1	9	9	9	9	9	9	9	9	9	9	9	9	9
902		2 %	5 F	2 6	9 9	5 5	2 6	5 5	2 9	5 5	5 5	5 5	2 9	5 5
100   100	mel chloride		۰.	8	Š	900	2	2 9	5 5	9 9	E	9	9 9	9
NO   NO   NO   NO   NO   NO   NO   NO	Locosthens		<b>.</b>	2	9	2	2	9	9	,	9	9	9	9
NO   NO   NO   NO   NO   NO   NO   NO	chylene chloride	3	麗	2	ě	2	2	9	2	2	9	2	2	2
100P   100P   100P   100P   100P   120P	ichlocofluoromethers	8	¥	2	2	2	2	9	2	2	9	2	2	2
1100P 270P 220P 10 10 10 10 10 10 10 10 10 10 10 10 10	1-Dichloroschars	•	7	630GP	4000¥	3000	<b>2069</b>	57QP	12002	12000	11006	1406	120	140P
90P         50P         50P         10P         ND         ND <th< td=""><td>1-Dichloroethene</td><td>R</td><td><b>2</b></td><td>1100</td><td>2705</td><td>2202</td><td>£</td><td>2</td><td>3106</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></th<>	1-Dichloroethene	R	<b>2</b>	1100	2705	2202	£	2	3106	2	2	2	2	2
10	tel 1,2-Dichlocoethers	97	2	900	<b>300</b> 5	3706	2	2	290E	ä	2	e	욮	1.42
NO	Loccoform	뙲	8	<b>2</b>	2	2	2	2	2	2	2	₽	욮	9
March   670P   650P   650P   170P   170C   240P   668P   72P   7	2-Dichloroethene	~	Ś	윤	£	2	£	2	14CP	3	2	욮	e	2
NO	l, l-Trichlocoethene	â	8	78CE	<del>0</del> 009	95	9	ĝ	170P	170C	24GP	#	94	ы. В
NO	then tetrachloride	•	٠,	2	2	£	£	윤	<del>S</del>	오	2	2	2	2
NO	andichlocomethers	뙲	8	2	2	2	£	2	2	£	오	₽	2	2
NO	- Otchiocopenpers	9	¥	2	£	2	<b>9</b>	ę	9	윤	2	2	2	2
1300P   739P   630P   146P   759   1300P   920C   1100P   77P   80P	me-1, 3-dichiocopeopere	¥	Ħ	2	2	2	£	2	£	2	2	2	2	2
NO	chlocoethene	<b>-</b> n	·n	1100		ejū <b>s</b>	7¢G	<u>\$</u> 1	13005	2000	11006	er E		e e
NO	econochilocomechana	8	8	2	2	2	2	2	2	오	2	2	2	2
NO   NO   NO   NO   NO   NO   NO   NO	1,2-Trichlomethers	<b>8</b>	<b>2</b> !	2		2	2	2	Ð	2	2	2	2	2 9
NO	-1,3-Dichloropeoper	69	星	2	2	2	2	2	2	오	2	2	2	2
NO	Moroethylvinyl ether	¥	Ħ	2	Q	2	2	2	2	Q	윤	요	£	2
NO   NO   NO   NO   NO   NO   NO   NO	motion	텷	ള	2	£	2	2	2	2	2	2	2	2	2
NO   NO   NO   SEP   5.5P   NO   NO   NO   NO   NO   NO   NO   N	1,2,2-Tetrachiomethere	¥	¥	2	£	2	2	2	Q	Q	2	오	2	2
NO	trachlomethers	•	鱼	2	2	2	94	<b>8</b> t 'S	2	2	2	오	2	2
NO	Locoberneers	8	¥	2	£	2	2	2	2	2	2	皇	욮	2
NO N	9-Dichiczobergers	51	角	9	2	2	2	오	2	2	2	2	9	2
NO N	2-Dichlorobermens	83	¥	읖	2	2	2	5	SIP	2	2	皇	욧	2
RACIAM = Radian Corporation, Shormware ND SAC = Radian Amalytical Sarvioss, Sectamento C LOQ	4-Dichlorobersers	(100)0.5	M.	2	2	2	2	2	2	2	2	<b>Q</b>	Q	Q
MALLAN CORPORALISM, SECTEMBLEO  SAC = Redian Amalytical Services, Sectemento C  LOS CONTRACTORES SECTEMBLEO CONTRACTORES SECTE	L UNITS ARE US/1													
SAC = Redian Analytical Services, Seconnento C LO	- Beraction Will			5	Z	Corporation,	Secremento		O - Noching	detected	•	•		
	A - First important day	Alloate are	Lysts	5		Analytical S	ervices, Seco		n = Armalysta	n confirmed to	second colue	n enelysis		
	8 = Second Laboratory d.	plicate an	alsysis					7	10 = Linit of	quere itation				

ND = Nothing detected
C = Analysis confirmed in second column analysis
LIQ = Limit of quentitation
P or FC = Identity proviously confirmed
NE := Not established

Amalytical data for EM-63 and EM-69 appear under NM-63 and NM-69

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M-10   M-10   M-10   M-11   M-12		DONE	AGN 2.11				9	ATT. NIPREZ						
Second theory 20-7-20-10-10-10-10-10-10-10-10-10-10-10-10-10	Parameter	Act in		79-H87	<b>34</b> -10	<b>M</b> +11		<b>14</b> -14	31 <del>-18</del>	15-14	25- <del>1</del> 4-53	£-13	\$ <del>.</del>	35 <del>-15</del> 6
Laborate Semplated	Ground History Zow				NOT MASS	SENTON	SHALLOW	MOTMES	SEMILON	2380	MEDIE	MEDILE	STEER.	METER
Maintain by   Maintain   Mainta	Date Sempled			09/05/88	07/22/88	07/25/88	07/26/88	07/22/88	07/22/88	07/07/88	01/05/88	07/05/88	07/11/88	07/11/88
Application	Sumpled by			PADIAN	RACILAN	RADIAN	PADIZAN	PADILAN	PADILAM	PADIAN		PADIZAN	RADIZAN	PADIAN
Sec	Date Analysed			98/90/60	07/26/88	07/26/88	07/27/88	02/26/88	02/56/88	03/08/88	02/06/88	02/00/88	07/12/88	07/12/88
Paid Amalysts	3			SK	38	SKC	3	SAC	SKC	3	3	SIC	SKC	3
Constitute   No.	Field Amiyais													Ş
Marcattane	Lab Analysis													ă
### 15-04-discretions	Olemethers	9	9	5	ş	5	ş	9	5	9	£	9	£	ç
### discretization		! !	<u> </u>	2 6	2 5	2 9	5 5	2 5	? §	9	? 5	2	2 5	9 9
Application of the continues   R.   R.   R.   R.   R.   R.   R.   R		١.	£ -	5 5	2 %	5 5	5 5	2 9	2 9	2 9	2 5	5 5	ع	5 5
Application of the control of the co	ALTER CHICKEN	٠ !	٠ !	2 !	3	2 !	2 !	5 (	5 8	5 6	5 8	5 8	<b>?</b> 9	5 8
### A Processor Annual Annual Processor Annual Annu	Chlorosthers	¥		2	2	2	2	2	2	2	2 :	2	2 :	2
Coloring constituents	Methylens chlorids	3	및	2	2	2	2	£	2	2	2	2	2	2
- Output	Trichlocofluoromethers	3,60	<b>H</b>	2	2	2	2	2	2	욮	2	2	2	2
	1,1-Dichlocoethere	9	7	14GP	1400C	200000	22000P	13000P	3006	2	£	<b>6</b> 1	1000	R)
1,2-Dichlocoscienes   16   NE   1,7P   460C   ND   ND   ND   ND   ND   ND   ND   N	1,1-Dichloroethene	ส	聖	2	1800	2	2	2	2	2	₽	9	7.60	3.78
Controlled   100	Total 1,2-Dichlocosthers	91	7	1.7	2094	2	2	2	2	9	2	2	3.7	Ħ
1	Chlorofform	81	<b>6</b>	ð	2	2	2	2	2	2	2	£	유	2
then terratelectrosters 200 200 9.8P ND 2700C 4500P 5500P ND	1,2-Dichlocoethers	-	•	2	410C	2	2	2	5.60	2	2	2	1.00	1. G
then tetrachloride 5 5 ND	1,1,1-Trichlomethers	8	8	<b>8</b> ,	2	2700C	4500P	5500P	1100	2	2	1. W	0.460	2.1P
### Participation   100	Carbon tetrachloride	•	٠	2	2	2	2	£	2		2	2	£	2
### 10   NE   NO   NO   NO   NO   NO   NO   NO	Becanodischloeconschans	93	8	2	2	2	2	2	£	2	오	2	<u>e</u>	2
March   Marc	1,2-Dichloropoopers	2	¥	2	2	2	2	ē	2	2	유	2	2	2
Comparison	Trans-1, 3-dichloreprepare		Ħ	2	2	2	2	£	2	2	2	2	e	윤
100   100	Trichlorogehans	s	•	9	2100C	29000	900S	11000P	2860	2	2	19	7.30	19 94
1.3-Trichloconstrains   100   NE   ND   ND   ND   ND   ND    -1.3-Dichloconstrains   100   NE   NE   ND   ND   ND   ND   ND   ND	Dihectochiocomethera	8	8	2	2	2	2	£	2	2	2	<b>Q</b> !	<b>2</b>	
1,3-Dichlocoperagene	1,1,2-Trichlomethers	엻	¥	£	£	2	2	£	ð	2	<b>2</b> .	<b>9</b>	 X	2
Ablaccentry Lating ME NE ND	cis-1,3-Dichloropers	8	¥	2	2	2	2	2	욮	2	2		2	2
100   100	2-Chloroethylvinyl ether	¥	발	2	2	2	2	2	₽	9	2	욮	9	2
1,2,2-Tetrachiocostime   E   NE   ND   ND   ND   ND   ND	Bromofibers	8	8	£	2	2	2	£	윤	오	2	2	2	2
Comparison	1,1,2,2-Tetrachlocoethene	¥	¥	2	2	2	2	2	욮	2	<b>9</b>	₽ .	2	2
No.	Tetrachlocoethere	•	Ή	2	9	2	610P	2	<b>9</b>	2	2	0.2 <u>7</u>	2	1.72
130 NE NO	Chlosoberness	×	¥	2	2	2	2	2	2	2	2	<b>2</b> !	<b>2</b>	<b>Q</b>
-Dichlocobemens 130 NE ND 210C ND ND NDDichlocobemens (LOQ)0.5 NE ND ND ND ND NDDichlocobemens (LOQ)0.5 NE ND	1,3-Dichloroberene	8	¥	2	2	2	2	2	2	2	2	2	2	2
-Distribuctoberance (LCQ)0.5 ME NO	1,2-Dichlorobernene	83	발	2	2100	2	2	2	2	2	2	2	2	2
- Wintis Are ug/1 - Ministrating Wall - Ministrating Wall - Ministration Secrements C - Ministration Secre	1,4-Dichlorobensene	(100)	更	2	2	9	2	2	2	2	2	2	2	읖
= Munitouring Wall = Munitouring Wall = Editary Conjocation, Secremento NO = Editary Conjocation, Secremento C C = Editary Analytical Services, Secremento C C = First field deplicate analysis INO = First Laboratory deplicate analysis INO =	AL UNITS ARE UR/1												i	
SAC = Radian Analytical Services, Sectemento C LOQ ils				ď	ACLAN - Redian	Consonation.	Secremento	z		detacted				
e1:	By - Detraction Well			. vi	AC - Radia	Amalytical S	leryloss, Saco	_	: - Aralysis	confined in	second colum	n emalysis		
S.	FDA - First field duplican	e sensitysis				,			CQ = Limits of	quettetion				
	UA - First Laboratory dap	License en	alysis					P4	oc RC = Ide	neity posvícu	aly confirmed			
AND THE TANK AND THE PARTY OF T								z	E = Not esta	blished				

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	į	11 0 104				9	APIT NIMES						
Parameter	A E E	H	Primary 144-55 MG.	35 <del>-1</del>	<b>7</b> - 55	14-57	<b>8</b>	¥-59	<b>X</b> +30	<b>27-14</b>	<b>4</b> +2	74-12	<b>14-</b> 72
Grand three Zens			A LAURA	A RELIA	MATERIAL	MITTER	88	88	MEDITE	MINE	MILLER	MATE IN	
			97,17,60	9/11/20	90/11/20	MR/SOLVE	M8/20/20	07/06/98	A8/30/20	00/1/2/CD	00/10/00	9,43	27/27/00
Sempled Pr			BADTAN	DATTAN	PADTAN	PADIAN	PACTAR	PADTAN	PADIAN	PACITAR	PADTAN	Paritan	DATE AN
			90/00/00	00/01/00	90/31/00	00/CU/CU	AB/40/20	AB/ CU/ CU	M2/106/200	00/3c/00	02/36/00	03/36/60	00/31/00
4							3	3	3				
Pield Amiliarie				Ē	)	}	}	}	}	2	Ē	3	3
Lab Amalysis			9	<u></u>						4	5	j	
Chloromethers	2	1	ç	9	9	S	2	2	Q	9	£	£	9
Personnering	! !	1	2 9	9	9 9	9	9	9	9	2	9	<u> </u>	2
Vice chloride	} ~	! -	9	9	9	9	9	9	2	2	2	? =	? <u>\$</u>
Chloroschene	. 9	. 1	£ 5	2	9	2	9	2	2	<u> 2</u>	9	2	<u> </u>
Mechylene chloride	3	<u> </u>	9	2	9	2	2	2	2	2	2	2	9
Trichlorofluoromethene	9	<b>9</b>	2	2	2	2	2	2	2	욮	욮	2	2
1,1-Dichlorostisms	•	1	<b>9</b> 5	as	310	2	0.14C	2	2	76GP	900B	79.CF	2000
1,1-Dichloroethers	8	¥	3.78	<b>9</b> €	3.80	₽	2	2	2	ŝ	9,	Ŕ	<b>9</b>
Total 1,2-Dichloroethers	16	<b>¥</b>	<b>3</b> 8	27P	2	2	2	2	2	<b>8</b> 2	8	<b>9</b> 1	2
Chloroform	99	905	2	2	2	₽	ē	9	2	2	욮	2	2
1,2-Dichlomethers		5	1.00 0.1	9 0.0	0.60	2	2	9	2	1200	951	1200	1200
1,1,1-Trichlocoethers	88	â	1.80	2. <b>8</b>	0.80	2	2	2	2	<b>R</b>	<b>4</b>	J.F.	Q
Carbon tetzachloride	'n	•	2	2	2	2	2 !	<b>9</b> !	2 !	<b>2</b> !	2 !	₽!	2
Betweetlichiocemethers	8	9	2	2	<b>2</b> !	<b>9</b>	2 !	<b>2</b> !	2 (	2 (	<b>2</b> !	<b>2</b> !	₽!
1,2-Dichlocopeopere	<b>의</b> !	<b>y</b> !	<b>9</b> !	<b>2</b> !	<b>2</b> !	₽!	2 9	2 9	2 9	2 9	2 9	2 9	2 9
Italia-1, 3-dichloropera	Į.	<b>2</b> .	2 !	<b>2</b> !	<b>2</b> {	<b>2</b> 9	5 5	2 9	2 9	5 8	2 8	5 8	2 8
Trichlorosthens	٠ <u>۽</u>	n §	£ į	<b>B</b> 9	<u> </u>	2 9	2 9	5 5	2 9	į	Ì	ğ	3 9
Direction of the Company of 1 1 2-Th-1ch Company of the Company of	3 5	3 9	5 5	5 5	2 9	5 5	5 5	2 9	5 5	2 9	2 9	2 9	5 5
cis-1.3-Dichloromore	8	E	9	2	9	9	£ 9	9	2	2	2	2	9
2-Chloroethylvingl ether	<b>1</b>	<b>2</b>	2	2	2	2	2	2	2	₽	2	2	2
Веспефост	9	9	2	2	2	2	9	Q	2	9	2	2	2
1,1,2,2-Tetrachlomethers	¥	Ή	2	2	2	2	9	2	2	2	2	<u> 2</u>	2
Tetrachlocoethers	4	¥	1.6	1.70	0.80	2	2	9	2	2	2	2	2
Chloeobensers	8	¥	2	9	2	2	2	2	2	2	2	2	2
1,3-Dichlorobersene	130	氰	2	2	2	2	2	Q	오	2	₽	£	2
1,2-Dichlorobersens	130	<b>Y</b>	2	2	2	2	2	2	2	2	<u> </u>	2	2
1,4-Oichlorobenens	(100)0.5		2	2	2	2	<b>Q</b>	2	£	Q	2	2	Q
ALL UNITS ARE UR/1													
He - Manisoring Hell			æ	RADIAN = Radian Comporation, Secremento	Comporation,	Secremento	z	ND - Northing detected	detacted				
First field diplicate amiyais	e eralyst		O	OES = Central	- Centrice Braintenantal Services	al Services	o	- Analysis	- Analysis confirmed in second column analysis	second colum	n amalysis		
MB = Second field deplicate analysis	te analys	a	S	SAC = Redian	- Radian Analytical Services, Secremento	ervices, Seco		OQ = Limit of	IQ - Limit of questiation				
IDA = First Laboratoxy deplicate analysis	licate an	alysis					ο,	or R = Ide	Por RC = Identity previously confirmed	aly confirmed			
LLB - Second Laboratory du	plicate a	nalysis					z	NE - Not established	blished				

Poznater	Action	Primary Mil. 98	87	6 <del>0 1</del>	06-19	5-1-2	<b>17</b>	167.104	KL1/A
		Ì					!		
		렃							
Ground Historr Zone			MOTARS	SHELOW	NOTARS	SEWICE	SEWILON	2000	1892
Date Semied			07/08/88	07/08/88	07/14/88	02/20/88	07/21/88	07/08/88	03/17/08
Sempled By			RADIAN	RADILAN	RADIAN	PADIAN	RADIAN	RADILAN	ROLAN
Date Analyzed			07/11/86	07/11/88	07/15/88	07/22/86	07/25/88	07/11/88	07/21/88
3			Sec	35	SWC	Sec	SK	Sec	25
Field Amlysis Lab Amlysis									
Chloromethene	<u>u</u>	12	2	Q	2	2	9	2	Q
	9	<b>2</b>	9	2	2	2	9	2	2
Virgi chloride 2			2	9	2	₽	2	2	2
		星	9	2	2	2	2	2	2
loride	3	星	2	2	2	2	2	9	2
Trichlorofluoromethers 3	3400	¥	2	2	2	2	2	2	2
		7	2	1.10	2	1.20	2	2	2
1,1-Dichloroethers 2	8	¥	9	2	2	9	2	2	2
Total 1,2-Dichlocoethers 1	91	翼	2	9	2	0.120	0.74C	2	2
Chlorofogn 1	82	93	2	2	2	2	9	2	2
		2	2	2	2	2	2	2	2
1,1,1-Trichlocoethers 2	8	900	2	2	2	2	2	2	2
		•	2	2	2	2	9	2	2
	_	001	2	2	9	2	2	2	£
		¥	2	2	2	2	2	2	2
Trans-1, 3-dichloropogens N	<u> </u>	¥	2	2	2	2	2	2	2
		2	2	2	2	S	3.80	2	2
		9	9	2	2	2	2	2	₽
1,1,2-Trichlomethers 1	991	鼍	2	2	2	2	2	2	2
		2	ð	2	2	2	2	2	2
2-Chloroethylvinyl ether N		¥	2	9	2	2	2	2	2
	8	91	2	2	2	2	2	2	2
1,1,2,2-Tetrachlomosthers N	نو	<b>2</b>	2	2	2	2	2	2	£
Tetrachicocethere 4		<b>E</b>	2	2	2	2	2	2	£
	- -	<b>E</b>	2	2	2	2	2	2	2
_	130	<b>H</b>	2	2	9	2	2	2	£
1,2-Dichlorobergers 1	021	<b>2</b>	2	2	2	2	2	2	Q
1,4-Dichlorobensers (	(100)0.5	至	2	2	2	2	2	2	NO.
AL UNITS ARE UR/1									
Mi - Manitoring Wall			2	RADIAN = Radian Componenton, Secremento	Corporation,	Secremento	Z	ND = Nothing detected	detected
			Sec		Analytical S	- Redien Analytical Services, Secremento		- Amlysts	occurinated in second column smallysis
					ı			CO = Limit of	100 = Limit of quentitation

MISTRE LOG OF MELLS SAMFLED FOR U.S. EPA METHED 602 COMPOUNDS FOR AREA D AND ACKNOT CHEMICE AREAS, CHOLOGIANDER SAMFLING AND ANALYSIS FRICEAM, JULY TERCICES SEPTEMBER 1988, M-CLELLAN AFB IME 1-43.

	DOS						WELL NUMBER						
Parameter	Action Level	Primary MD.	<b>四</b>	<b>54-</b> 73	五十四	28 #1	<b>1</b> 53	\$ 10	<b>S</b>	<b>1</b> 9	<b>18</b>	<del>2</del> 8	19 <del>1</del> - 87
Ground Water Zone													
Date Sampled			98/03/98	09/07/88	09/02/88	08/03/88	09/05/88	09/02/88	08/07/88	09/05/88	98/03/98	09/02/88	08/04/98
Sempled By			RADIAN	RACITAN	RADIAN	RADIAN	RADIAN	RADITAN	PADIAN	MATCHE	PADIAN	PACITAN	RADIAN
Date Analyzed			98/90/90	98/90/60	98/90/60	98/90/90	98/90/60	98/90/60	08/10/88	98/90/60	08/08/88	09/06/88	08/10/88
<b>3</b>			SE	SAC	3	35	Sec	SKC	2	3	S	9	3
Field Amelysis											ì	}	}
Lab Analysis				4	<b>8</b>								
Mordensene	8	角	2	2	2	2	2	2	2	2	9	9	9
1,3-Dichlorobename	130	2	2	2	2	2	2	Q	2	£	2	2	2
1,2-Dichlorobenene	130	<b>Y</b>	2	2	2	2	2	58 28	2	2	2	2	2
1, 4-Dichlorobersers	(100)0.5	¥	2	2	웃	욧	2	2	£	皇	2	2	ş
Burgers	۲.	s,	2	2	2	2	2	2	2	2	2	2	2
Stylbensers	<b>3</b>	<b>¥</b>	2	오	2	2	2	2	2	2	2	2	2
Tolum	91	¥	2	2	2	2	2	2	2	2	2	2	2

All Burns #88 ug/l BW = Extraction Wall LDA = First laboratory deploate analysis LDB = Second laboratory deploate analysis

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detected C = Aralysis confirmed in second column analysis LOQ = Limit of quentitation NE = Not established

Amalytical data for Bit-63 and Bit-69 appear under 141-63 and 141-69

						!							
•	DUBS Act lon	U.S.EPA Primary EN-87	£8 <del>-1</del> 6	M4-10	<b>7</b>	# 21 #	AL-14 M+14	<del>ડા.ના</del>	M4-51	¥-53	N4-53	苏奎	#+ 12
Parameter	Te se	ğ							9894	MITTER	MIDIE	MIDIE	MOLE
Ground Maser Zone Date Sempled Sempled By Date Analyzed Lab Picit Analyzed			09/02/88 09/02/88 54C	SEM1104 07/22/88 RACIAN 07/26/88 SAC	SHALON 07/25/88 RADJAN 07/25/88 SAC	SENTION 07/26/88 07/27/88 SAC	SHALLON 07/22/88 07/26/88 54C	250,122/88 07/22/88 07/25/88 SAC	07/07/88 RADIAN 07/08/88	07/05/88 BADIAN 07/06/88 SAC	07/05/88 RADIAN 07/05/88 SAC	07/12/88 RADIAN 07/12/88 SAC	07/11/98 RADIAN 07/12/98 SAC FDA LDA
Lab Analysis										5	5	2	9
reace reace reace (a) (b) (c) (b) (c) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d)	30 NG 130 NG 130 NG (LCD)0.5 NG 17 5 100 NG 100 NG 11cete arelysis	ENERGY SER	858555	NO N	ND NO	NO N	i	NO	NO N	2			222222

1/6E 1-43. (continued)

Parameter	IGNS Level	U.S.EPA Princey	¥-58	Σ <del>1</del>	85-45	14-57	31, NIMBER NJ-58	55- <b>3</b> 8	£-3	<b>14</b> +72	<b>14</b> -12	7 <del>4.</del> 72	<b>14</b> -72
Ground teleur Zone Date Sampled Suppled By Date Aralymed Lab Plaid Aralysis Lab Aralysis			MITTLE 07/12/88 PADIAN 07/12/88 SAC FUB	MILLE 07/11/98 NAULAN 08/16/98 OES	MEDICAL 07/11/98 NADIAN 07/12/98 SAC FRA	MIDIE E 07106/88 NAULAN 07107/88 SAC	1222 07/07/88 12401/81 07/08/88	1229 07/06/88 RAGIAN 07/07/88 SAC	MIDLIE 07/05/88 RADIAN 07/06/88 SAC	MUDILE 07/21/98 NOIAN 07/25/98 SAC FIA	MIDGLE MIGGLE RADZAN 07/26/88 SAC FDA	MUDULE 07/22/88 PADIAN 07/25/88 SAC FIB	MIDTLE 07/21/08 NOLIAN 06/16/08 OES
Ohlorobensens 1,3-Dublorobensens 1,4-Dublorobensens 1,4-Dublorobensens 1,4-Dublorobensens Ettythensens Tokinens	30 130 130 130 130 130 130 130 130 130 1	<b>7777~77</b>	555558	555555	555555	222222	222222	222222	222222	222222	222222	<b>555555</b>	222222

AL UNIS AE ug/l

M = Menizoring Wall

FM = First field deplicate analysis

FM = Secord field deplicate analysis

LM = First laboratory deplicate analysis

LM = Secord laboratory deplicate analysis

RADAN = Radian Orgocation, Secremento OSS = Carala Bultormental Services SAC = Radian Amalytical Services, Secremento

ND = Nothing detected LCQ = Limit of quantitation NE = Not established

	2900 2008	U.S.EPA				9	L. M.MEER		
Parameter	Action Level	Primary PCL	<b>8</b>	<b>36 3 3 3 3 3 3 3 3 3 3</b>	<b>14</b> -30	16- <b>19</b> 4	<b>₹</b>	<b>M</b> +104	M4-105
Ground Marter Zone			SHALLON	SSWITCH	FULNES	SEWICE	SWID	283	0.000
Date Sempled			02/08/88	98/80/20	07/14/88	07/20/88	07/21/88	98/90/00	07/19/86
Sampled By			RADIAN	PADEAN	RADIAN	PADIAN	RADIAN	RADICAN	RADIAN
Date Analyzed			07/11/88	07/11/88	07/15/88	07/22/88	07/25/88	07/11/88	07/21/88
4			S	S	S	SIC	28	3	35
Field Amlysts									
Analysis									
Chlorobergene	8	巢	2	2	2	2	2	Q	Q
1,3-Dichlosobersers	021	¥	2	2	2	2	2	₽	Q
1,2-Olchlorobersers	021	꽃	2	2	2	2	2	2	2
1,4-Dichlorobersens	(100)0.5	<b>3</b>	2	2	2	2	2	2	2
Berneura		5	2	2	2	2	2	2	2
Ethylbaname	<b>99</b>	更	2	<b>Q</b>	2	2	2	2	2
Toluces	81	¥	2	2	2	0.306	2	2	2
ALL UNITS ARE US/1									
M - Mentsoring Hell			ā	RADIAN - Radian Corporation, Secremento	Corporation,	Secremento		D - Noching	detected
			J	C - Redien	Amalytical S	ervices, Secr	o di mari	CO - Limit of	100 = Limit of questitution
								100	methy named one is restlimed

TARE 1-44. MISTER LCS OF WELLS SAMPLED FOR U.S. EIN HEISTID GOA COMPOUNDS
FOR MEND IN MONORITY OF BASE MENS, GROUNDARTER SAMPLING AND ANALYSIS PROGRAM,
JULY THOUTH SEPTEMER 1989, MOUBLAN APP.

	DOHS U.S.EPA	U.S.EPA	M4-10	<b>M</b> +11		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SITEN NEBOTIN TEM
Parameter	3	보			1		1
Ground Water Zone			SENTON	SHKLOW	SHWLON	SHALLOW	CTARS
Date Sampled			07/22/88	07/25/88	07/26/88	07/22/88	07/22/88
Sempled By			RADIAN	PADILAN	PADIAN	PADIAN	RADIAN
Date Analyzed			08/07/86	08/05/88	08/02/88	08/07/88	08/01/88
4			S	3	3	3	3
Field Arelysis							
Lab Analysis							
2,4,6-Trichloropherol	角	高	2	Q	2	2	9
2-Chloropherol	¥	Ä	2	2	2	2	2
.,4-Dichlosopherol	¥	뜊	2	2	2	2	2
2,4-Dimecty lotarrol	8	义	2	₽	2	2	2
2-Mtcropherol	분	¥	2	2	2	2	•
-Hitmphanol	¥	Ή	2	2	2	2	2
2,4-Dintrophenol	¥	¥	2	2	2	2	2
Percachiomphenol	R	및	2	2	2	2	2
Phenol	2	¥	2	2	2	£	0.2%
-Culcaro-3-methylpherol	<b>2</b>	<b>Y</b>	2	₽	2	2	2
6.6-Dinitro-2-anthylogenol	Ā	¥	2	2	2	2	9

4,6-Dintzo-2-mitylpheol NE AL UNIS AE (g/) W = Minitoring Mall

NATION = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detacted C = Atalysis confirmed in second colum smalysis NE = Not established

TARE 1-45. INSTER LCG OF WELLS SAMELED FOR U.S. BPA CLP MENED GOA COPPOLING FOR MENA D AND ADLINCENT CH-BASE AREAS, CRONDINGTER SMMELTIC AND ANNIXES PROGRAM, JULY THORGE SEPTEMENE 1986, MCJELAN APB

Papameter	Act ion	U.S.EPA Primary EM-73 NG.	B4-73	BH-73	BH-73	156 156 157	WELL MANERA BA-BA	<b>28</b> + <b>8</b> 2	36 26	2 <del>9 - 10</del>	15 <del>-11</del>	MH-53	M4-55
Ground Mater Zone											<b>33</b>	MIDE	MODE
Date Sampled			07/01/88	07/01/88	07/01/88	07/01/88	07/01/88	07/01/88	07/01/88	07/01/88	07/07/88	07/05/88	07/11/68
Sumpled By			RADIAN	RACION	RADIAN	PADIAN	RADIAN	PACILAN	PADIAN	MOLAN	RADIAN	RADILAN	RADIAN
Date Analyzed			07/15/88	07/15/88	07/15/88	07/15/88	07/15/88	07/15/88	07/15/88	07/15/88	07/16/88	07/16/88	07/16/88
<b>q</b>			S	3	SAC	S	SAC	SAC	3	35	SKC	SWC	SKC
Field Applysis			FD.	Ş	FUB.								Ę
Lab Analysis			Š	<b>9</b> 57									
Oxionethene	9	12	9	£	2	2	Q	2	2	2	2	2	2
Removations	9	9	<b>.</b>	9	2	2	9	2	9	2	2	2	2
Virgi chloride	، إ	! -	<b>\$</b>	) 9	1000	2	98	2	2	2	2	2	2
Chloroethere	. 19	. 9	9	2	2	2	2	2	2	2	2	2	2
Metrolene chloride	<b>1</b>	! <u>¥</u>	9	2	2	2	2	2	2	2	2	2	2
Trichlorofillomerhone	98	<u> </u>	9	9	2	2	2	2	2	2	2	2	2
1,1-Dichloppethene	9		7300	7500	700	98	1100	2000	130	871	2	13	£ <b>4</b>
1,1-Dichlocoethers	8	¥	069	710	922	2	280	2	2	2	2	2	3.9
Joeal 1,2-Dichloroethere	16	黑	1100	1100	1100	2	250	23	2	2.2	2	2	8
Chloeofoun	8	9	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichloroethere	-	\$	2	2	2	2	011	2	2	2	2	2	2
1,1,1-Trichlomethere	8	88	088	870	930	3	140	88	*	8.4	2	2	2
Carbon tetrachloride	۰	5	2	2	2	2	2	2	2	2	2	2	2
Bromodichilocomethene	8	901	2	£	2	2	2	2	2	2	2	2	2
1,2-Dichloeopeopers	ន	2	2	2	2	2	2	2	2	2	2	2	2
Trans-1, 3-dichlorepress	¥	<b>1</b>	2	2	2	2	2	2	2	2	2	2	2
Trichlocoethere	S	2	1200	1200	1200	ĸ	1200	1800	86	<b>3</b>	2	2.5	ฆ
Dibromochloromethene	8	93	2	9	2	2	2	2	2	2	2	2	2
1,1,2-Trichlomethers	8	¥	2	2	2	2	2	2	2	2	2	2	2
cis-1,3-Dichloropopere	83	¥	2	2	2	2	2	2	2	2	2	2	2
2-Chlocoethylvinyl ether	¥	¥	2	2	2	2	2	£	2	2	2	Q	2
Bronofoem	8	901	2	2	2	2	2	2	2	2	2	2	2
1,1,2,2-Tetrachlocoethers	¥	¥	2	2	9	2	2	2	2	2	2	2	2
Tecondocosthans	4	Ä	2	2	£	2	2	2	2	2	2	2	2
Chlorobersers	æ	¥	2	2	2	2	2	2	2	2	2	2	2
Berware	۲.	2	2	2	2	2	2	2	2	2	2	2	2
Extralberzene	9	¥	2	2	2	2	2	2	2	2	2	2	£
Tolume	8	¥	2	2	280	2	2	2	2	2	2	2	£
-	9	2	15000	15000	16000	2	2	2	<u>Q</u>	2	œ	2	2

ND = Nothing detected NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

MI UNITS ANE ug/1

M = Menticeting shall

BM = Extraction shall

SMC = Ru
FRA = Flirst faild deplicate analysis

IRB = Secord faild deplicate analysis

IRB = Secord laboratory deplicate analysis

IRB = Secord laboratory deplicate analysis

Analytical data for BH-63 and BH-69 appear unter MH-63 and MH-69

	i i												
Parameter	Action Level	U.S.EPA Printery E4-73 NG.	E + 73	51 <del>-1</del> 13	B#-73	28-18	MELL NUMBER BH-64	<b>28-48</b>	99-48	18 <del>1-8</del> 7	15-1 <del>1</del>	<b>14</b> -53	¥-53
Ground integer Zone Date Sumpled Sumpled By Date Aralyzed Lab Plaid Aralyzes Lab Aralyzes			07/01/88 RADIAN 07/15/88 SAC PDA 1.DA	07/01/88 PADTAN 07/15/88 SAC FIDA	07/01/88 RADIAN 07/15/88 SAC FIB	07/01/88 8WJCWN 07/15/88 SAC	07/01/88 RADIZAN 07/15/88 SAC	07/01/88 RADIAN 07/15/88 SAC	07/01/88 RADIAN 07/15/88 SAC	07/01/88 RMDI/N 07/15/88 SAC	DEEP 07/07/88 RADIAN 07/16/88 SAC	MUTALE 07/05/88 RATICAN 07/16/88 SAC	MEDILE 07/11/68 RADIAN 07/16/68 SAC FDA
Curton disulfide 2-Bitance Viryl acetate 2-Hearing 4-Heityl-2-paramine Syrume Total Nylenes	보였었었었었	2653555	3100 3100 3100	3400 3300 3300 3300	55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	355555	<b>55555</b>	222222	333355 <b></b>	355555 <b>%</b>	555555	555555	222222
All UNIX ARE ug.   144 * Manitoring well  155 * Retraction well  150 * First field deplicate analysis  150 * Second field deplicate analysis  151 * First laboratory deplicate analysis  158 * Second laboratory deplicate analysis  158 * Second laboratory deplicate analysis	tte analysis picate analysis plicate analysis	s yets dysts	78 35 1	RMOIAN = Radian Composation, Secremento SAC = Radian Aralytical Services, Secremento	Corporation, Analytical S	Secremento ervioses, Secr	3	D = Morthing decacted R = Not reported E = Not established	derected cred blished			i	

	Action	Primary N4-55	₹-12	¥-58	97-E	<b>₹</b> -72	
Pacameter	7	ğ					
Canad theor 2000			MEDICE	MODE	233	MODIE	
Date Semiled			07/11/88	07/11/88	07/07/88	07/27/88	
S. Carlotte			RADIAN	PACILAN	RADIAN	PADIAN.	
Date Analyzed			07/16/88	07/23/88	07/16/88	08/01/88	
3			Sec	8	3	3	
Field Analysis			F15				
Lab Aralysis		į					
A1	9	9	9	£	2	2	
	! <u>%</u>	! ¥	9	2	2	2	
Second At A second	! ~	!	2	2	2	2	
Olemether	. 12	· <u>1</u>	2	2	2	2	
Methodore chicado	<b>.</b>	<u> </u>	9	2	2	2	
Trichlorn Programmers	90	<b>9</b>	2	2	2	€	
1.1-Oschlomorthene	9	1	£3	2	2	98	
1.1-Dichloroethere	8	2	3.8	2	2	3	
foral 1,2-Dichloroethere	16	甬	ឧ	2	2	8	
Onlocatorm	8	8	2	2	2	2	
1,2-Dichiczosthere	-4	ۍ	9	2	2	94	
1,1,1-Trichlomethers	8	8	2	2	2	<b>의</b>	
Carbon tetrachloride	s	s	2	9	9	2 :	
Bernodichloromethere	8	9	2	2	2	<b>2</b> !	
1,2-Dichloropeopers	2	坐	2	2	2!	<b>2</b> !	
Frans-1, 3-dichloropropens	Æ	2	2	<b>9</b> !	2 !	2 :	
Trichlocosthens	S	'n	ম	2	2 !	901	
Dibrosochlocosethere	텱	ğ	2	2	2 !	2 !	
1,1,2-Trichlomethers	8		2	2	2 9	2 !	
cis-1,3-Dichloropers	80	¥	2	2	2 !	2 :	
2-Chlorosthylvinyl other	¥	¥	2	2	2	€ :	
Bermoform	8	8	2	2	2	2 !	
1,1,2,2-Tetrachlocoethers	里	쒿	2	2 !	2 !	2 !	
Terrachlomethers	4	¥	9	2	2 :	2 !	
Chlorobensers	8	¥	2	2	2 !	2 :	
Bereers	۲.	•	2	2 !	2 !	2 !	
Ettylbersers	9	¥	2	2 !	⊋ !	€ !	
Toluene	엻	¥	2	2	2	2 !	
Acetone	里	Ή	2	≨	2 !	€ !	
Carbon disulfide	<b>2</b>	<b>y</b>	2	£	2	2 :	
2-Bacarone	¥	¥	2	≨	2	2	
Viryl acetate	<b>X</b>	¥	2	£	2	2	
ALL UNITS APE ug/1					,		M) - Machines descented
We - Manitoring Well			22	MINN - MACH	RADIAN = Redian Corporation, Secremento	, Secremento	No. = NOLIME Greened
FIB = Second field duplicate	te analysis	2	o		- Caronie Brytramarkal Services	tal Services	TALL HOLD STREET, SECOND STREET, SEC
			σ	Sec - Pedia	n Amalytical	<ul> <li>Radian Aralytical Services, Secremento</li> </ul>	NE = NOC establishmen

		U.S.EPA					
Parcemeter	Action	Printery N4-55 NO.		MH-55	95 <del>  2</del>	MA-72	NEW YEAR
Geotard Marker Zone Dute Sampled Sampled By Dute Armityned Lab Eleid Armitynes Lab Armitynes			MUTALE M RADIAN R RADIAN R 07/16/88 0 SAC 0	MITTLE 07/11/88 RATIAN 07/23/88 CES	1822 07/07/88 RADZAN 07/16/88 SAC	MIDELE 07/21/88 RADIAN 08/01/88 SAC	
2-limatore 4-Methyl-2-partanne Syrves Total Aylems	<b>A A B B</b>	222	2222	***	5558	2555	
AL UNIS AS us/1 Ms = Amitoring isl1 NB = Second field deplicate amaly:	ate amiysis	_	RADICAN GES SAC	- Radian Co - Ceronie E - Redian An	sporation, intromerta	RWIAN = Radian Corporation, Secremento CES = Generale Brytomental Services SAC = Radian Analytical Services Control Control Control Control	ND = Nothing detected NR = Not reported

TABE 1-46. INSTER LOS OF WELLS SAMPLED ROR U.S. ETA NERLO 625 COMPOUNDS FOR AREA D AND ADLACIBIT ON-BASE AREAS, GROUDINDER SAMPLING AND ANLINISS FROGAM, JLY TROUGH SEPTEMER 1988, M-CLELAN ARE

raugustus.	Action	Primary M4-51 M3.	당-출	MF-53	₹- \$3	¥-55	₹ %	99. Ž	<b>1</b>	চ <del>-</del> <del>ই</del>	M-52
Ground Mater Zone			2000	MITTALE	MUSIE	MIDLE	KEDE	200	MODE	SHALION	SHAZON
Date Semiled			07/07/88	07/05/88	07/11/88	07/11/88	07/11/88	07/07/88	07/21/88	07/20/88	07/21/86
Sampled By			RADIAN	RADIAN	RADIAN	PADIAN	PADIAN	RADILAN	RADIAN	RADIAN	RADIAN
Date Analyzed			07/26/88	07/21/88	07/25/88	07/25/88	01/23/08	98/92/10	08/11/88	08/11/88	08/11/88
4			Sec	SMC	SAC	Sec	8	Sec	SKC	Se	SAC
Field Amlysis					Æ	F08					
Lab Aralysis											
1,3-Dichloroberzene	130	Ä	£	2	2	2	2	2	2	2	2
1,2-Dichloroberzene	130	2	S S	2	2	2	2	2	7.7	2	£
1,4-Dichlorobersers	<b>3</b>	85	2	2	2	2	2	2	2	2	2
Acenephebens	2	¥	2	2	2	2	2	2	2	2	<del>2</del>
1,2,4-Trichlorobenese	<b>¥</b>	2	2	2	2	2	2	2	2	2	2
Beach loroberaers	<b>¥</b>	2	2	2	2	2	2	2	2	2	2
Besochloroethene	¥	Ή	2	2	2	2	2	2	2	2	9
Bis(2-chloroethyl)ether	¥	띺	2	2	2	2	2	2	2	2	2
2-Chloromptethalers	<b>1</b>	里	2	2	2	2	2	£	2	2	2
3,3"-Dichlocoberaidine	¥	¥	2	2	2	2	Q	2	2	2	2
2,4-Dinitrotolume	Ħ	¥	2	2	2	2	2	2	2	2	2
2,6-Dinitrotoluene	<b>9</b>	¥	2	2	2	2	2	2	2	2	2
Fluorenthene	<b>E</b>	<b>S</b>	2	2	2	2	2	2	2	2	2
4-Chloropheryl phenylether	Ä	¥	2	2	2	2	2	2	2	2	2
Whitmodimetry Legine	¥	¥	<b>≨</b>	£	£	£	2	≨	≨	≨	≨
Writtosodi-n-propylamine	<b>X</b>	<b>Y</b>	2	2	2	2	2	2	2	2	2
Bis(2-ethylhesyl)phrhalate	¥	빌	2	2	2	2	2	2	2	2	2
Barylbarayi prehalate	¥	¥	2	2	2	2	2	2	<del>2</del> !	2 !	<b>2</b> !
Di-n-baryl pirthalate	<b>2</b> !	<b>Y</b>	2	2	2	2	2 !	2 !	2 !	2 !	<b>2</b> !
Di-n-octyl phthalate	<u> </u>		2	2	2	2	2 !	2 !	2 !	2 !	<b>2</b> !
Dietter prehalace		<u>u</u> !	2	2 !	2 !	<b>ર</b> !	<b>2</b> 9	2 9	2 9	⊋ ;	2 !
	<u>.</u>	¥!	<del>2</del> !	<b>2</b> !	2 !	2 !	2 9	2 9	5 8	2 9	2 9
Derizo(a) artitracene		¥ 4	2 9	2 9	2 9	2 9	2 9	2 9	2 5	5 2	2 5
1	9 9	į 4	9 9	5 5	2 5	2 5	2 9	9 9	? ?	9 9	2 9
Organia	! <u>!</u>	2 9	2 5	9 9	2 5	9 9	9	2	2	2	2
Acerachalysians	! ( <u>G</u>	! <u>14</u>	2	9	9	2	2	2	2	2	2
	(100)0.7		2	9	2	2	2	2	2	2	2
Bis (2-chlocoethory)methers	¥		2	2	2	2	2	2	2	9	2
Herachlorobutations	2	¥	2	2	2	2	2	£	2	2	2
Heachlorocyclopertadiene l	¥	2	2	2	2	2	2	2	2	2	2
ALL UNITS ARE US/1											
MW = Manitoring Mell			\$	RADIAN = Radian Corporation, Secramento	Corporation,	Sacramento	Z	ND = Nothing detected	detected		
FIRST field deplicate amysis	amiysis		8	S - Canonia	- Cangrile Environmental Services	al Services	z	NA . = Not analyzed	yand		
FIB = Second field deplicate analysis	analysts		35		Analytical S	= Radian Analytical Services, Sacramento		CQ = Limit of	100 = Limit of quantitation	_	
								E * Not esta	bade! Id		

## RADIAN

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	ğ	C.S.E.A										
,	Action	Primary	14-12 14-12	<b>14</b> -53	M+55	M+55	<b>74</b> -55	97 <del>2</del>	<b>14</b> -12	16- <b>14</b>	<b>7</b> 4−82	
Parameter	[ave]	렃										
Ground Mateur Zone			66	MITTE	MINE	MITTER	MILES E	es a	NAME OF	CELAT I CL	Graft/Cu	
Per Carolina			00/10/100	00/00/00	90/11/00	97176	20,11,00	001100	20,000	100,000	100 to 100	
			DATE OF THE		0/17/00 0/17/00	20/17/00	8/11/0	8//0//0	0//2/00	0//20/00	0//2/86	
September 199				KALLAN	KACIAN			KACIAN	KON	MOLAN	RADIAN	
Date And year			20/07/0	0/17/00	90/57//0	98/57/10	07/23/88	07/26/88	08/11/86	08/11/88	08/11/88	
3			3	3	3	<b>3</b>	8	3	2	3	SkC	
Field Amalysis Lab Amalysis					Ę	<b>5</b>						
Tecuhrenne	2	12	£	9	9	5	5	9	5	5	9	
Markethallera	! 9	? <u>Þ</u>	2	? ⊊	9 5	? 6	2 9	5 5	5 5	5 5	2 9	
Bit rehensene	! %	! <u>1</u>	? <del>2</del>	? ⊊	9 9	2 9	2 6	5 5	2 9	5 5	2 9	
Percentage	<u> </u>	<u> </u>	2	9	9	2	2	9 9	5 5	2 9	2 €	
Dibergo(a,h)arthraoens	2	¥	2	2	2	2	2	9	9	9	2	
Indeno(1,2,3-od)pyrens	¥	Ä	2	2	2	5	2	2	2	2	2	
Pyrene	¥	<b>H</b>	2	£	2	£	2	£	2	2	2	
2,4,6-Trichlosopherol	¥	2	2	2	2	2	2	2	2	2	2	
2-Chlorophenol	2	¥	2	2	2	2	2	2	2	2	2	
2,4-Dichlorophenol	7	Ħ	2	₽	2	2	2	2	2	2	2	
2,4-Dissetty interest	8	Ή	2	2	2	2	2	2	2	2	£	
2-Nitropherol	¥	¥	2	2	2	2	2	Q	2	2	2	
4-filtrophenol	발	¥	2	₽	2	2	2	2	2	2	2	
2,4-Dinitrophenol	<b>Y</b>	¥	£	2	2	2	2	2	2	2	2	
Percachiocophanol	8	¥	2	2	2	2	2	2	2	2	£	
Perol	¥	¥	2	2	2	2	2	2	2	2	Q	
Fritzoeodiphenylenine	¥	Ħ	2	2	2	2	2	2	2	2	Q	
Benetidina	<b>H</b>	<b>H</b>	£	£	¥	£	2	¥	£	£	£	
4-Secondrienyl phenylectron	曼	¥	2	2	2	2	2	2	2	2	Q	
Bis(2-chlorolagay-1)ether	<b>2</b>	里	2	2	2	2	2	2	2	2	2	
Berso(g,h,1)perylans	¥	¥	2	2	2	2	2	2	2	2	2	
Photomes	¥	Ľ.	2	<u>Q</u>	2	2	2	2	2	2	2	
4-Chloro-3-methylphenol	¥	¥	2	2	2	£	2	2	2	2	2	
1,6-Dinttro-2-nethylpherol	¥	Ä	2	2	2	£	2	2	2	2	2	
ed i ire	2	¥	¥	£	£	£	ź	≨	£	£	£	
Beneyl alcohol	Ħ	¥	2	2	2	2	£	2	2	2	2	
2-Marin Lahamol	¥	¥	2	2	2	£	2	2	2	2	ę	
4-Methylphenol		2	2	2	2	2	2	2	2	2	£	
Demotic acid	2	¥	2	2	2	2	£	2	2	2	2	
+-Chloroenil ine	里	¥	2	2	2	2	£	2	2	2	2	
2-Methylraptathalone	¥	2	2	2	2	2	2	2	2	2	2	
2,4,5-Trichlomphanol	¥	7	2	£	2	2	2	2	2	2	2	
ALL UNITS ARE US/1												
MV = Manitoring Well			2	MAN - Radian	RADILAN = Radian Corporation, Secremento	Secremento	~	ND. = Nothing detected	detected			
FIA = First field duplicate avalysis	arelysis		8		<ul> <li>Cercule Environmental Services</li> </ul>	al Services		NA = Not analyzed	yzed			

## RADIAN

TABLE 1-46. (continued)

Parameter	Action Less	Princy March	15 <del>-11</del>	M4-53	MH-55	# SS-#	HZL NUMBER M4-55	男士	M+72	16 <del>-11</del> 4	7 <del>4-</del> 26	
Ground where Zees Date Sempled Sempled By Date Avalymed Lab Flaid Avalysis Lab Avalysis			DESP 07/07/88 RADIAN 07/26/88 SAC	MIDDLE 07/05/88 RWUZW 07/21/88 SAC	MIDILE 07/11/88 RADIAN 07/25/88 SAC FIDA	MUDILE 07/11/88 RADIAN 07/25/88 SAC FIB	MIDILE 07/11/88 RADIAN 07/23/88 CES	12529 07/07/88 RADIAN 07/26/88 SAC	MIDLE 07/2/88 RADIAN 08/11/88 SAC	SENTON 07/20/88 PWDIAN 08/11/88 SAC	SEMICH 07/21/88 RADIAN 06/11/88 SAC	
2-Nitroeniline 3-Nitroeniline Diberachuran 4-Nitroeniline Berach) fluorerthes	<b>33555</b>	医高面高高	22222	22222	22222	22222	<b>££££</b>	22222	22222	88588	22222	
All BUTS ARE ug/1  14 - Manitoring shall 15 - First field deplicate amiyais 178 - Germen field deplicate amiyais	te analysis		28	Rediam Corporation, Secremento CS = Ceronie Environmental Services	Corporation,	Secremento d Services	2 2	D = Nothing detected A = Not analyzed	detected			

THRE 1-47. MISTR LCG OF WELLS SAFELED FOR FREIGHTY POLLITHAY METALS AND OTHER INCIDENCE OPECINIS FROM A ANY SIS FROMM, LLY THOUGH SEPTEMENT OF BIAN AND AND AND ANY SIS FROMM,

	990	U.S.EPA				_	WELL NUMBER				
Parameter	Action	Primary M4-10 M3.	91-12	<b>11-45</b>	<b>7</b> +12	<b>1</b>	¥-1×	¥.	\$ <del>5</del>	<b>№</b> -105	
Ground Hater Zone			MOTANES	SEMLLOW	HOTTMES	SEMLION	SEWILCH	SHELON	SENTON	AZGI.	
			07/22/88	07/25/88	07/26/88	07/26/88	07/22/88	07/22/86	07/08/86	07/19/88	
Date Analyzed									KELLEN		
4			S	Sec	SAC	Sec	38	SAC	36	SKC	
Field Analysis					į	,	į	!			
Labo Armitys Ls					<b>S</b>	8	<b>S</b>	90			
Are laury	¥	Ã	2	2	2	2	2	2	2	2	
Accentic	Ħ	0.050	2	2	2	2	2	2	2	2	
Beryllian	¥	¥	2	2	2	2	2	2	2	2	
Cardinalism	¥	0.010	9	2	2	5	2	2	2	2	
Orcostum	<b>H</b>	0.050	£	2	0.012	0.0Z	2	2	2	0.010	
Cupper	<b>X</b>	2	2	0.012	2	2	2	2	2	Q	
1	¥	990	<u>Q</u>	2	2	2	2	2	2	2	
Mecoury	Ä	0.002	2	2	£	2	2	2	2	2	
ficient	Ħ	<b>2</b>	0.11	2	2	2	2	2	2	2	
Mentum	Ä	0.010	2	2	ð	2	2	2	2	2	
Silver	Ħ	0.050	2	2	2	2	2	2	2	2	
Palliam	¥	딸	2	2	2	2	2	2	2	2	
Zhe	¥	2	0.082	0.060	0.00%	0.00	0.005	0.005	0.003	0.00	
Pluscene	¥	¥	2	2	2	2	2	2	2	2	
Calcium	Ħ	¥	2	2	2	2	2	2	2	2	
Chloride	¥	7	2	2	2	2	2	2	2	2	
Carbonate	Ä	黑	2	2	2	2	2	2	2	2	
Iron	¥	<b>9</b>	2	2	2	2	2	2	2	2	
Bicarhonate	Ħ	<b>Y</b>	2	2	2	2	2	2	2	2	
Multipasti.m	副	Ħ	2	2	2	2	2	2	2	2	
Sodium	¥	<b>E</b>	2	2	2	2	2	2	2	2	
Sulfate	¥	<b>2</b>	2	2	2	2	2	2	2	2	
Bartum	¥	1.0	2	2	9	2	2	2	2	2	
Mangarase	Ä	¥	2	2	2	2	2	2	2	2	
Total Albalinity	빞	2	2	2	2	2	2	2	2	2	
Mitrate	¥	3	2	2	2	2	2	2	2	2	
Potal Dissolved Solids	¥	¥	2	2	2	2	2	2	2	2	
AL UNITS AND mg/1				A TOTAL DESIGNATION OF THE PROPERTY OF THE PRO			]   				
IDA = Pirst Inhustory desirate graine		1		Carlo - Dadie	Authorization,	- Marinell Augusta Little Secretarian		No - Note and the second			

1-123

DMBE 1-48. MISTER LOS OF MELLS SAFELED FOR U.S. ERN METELD SHOUG COPPOUNDS FOR MERA D MED ADMICIBIT OF BASE MEDIS, GROUNDWIDER SAFELING AND ANALYSIS FROCKMY, JULY TROLISH SEPTEMER 1998, MGJELJM MED

	2005	U.S.EM		CONTRACTOR	
Pazzanaker	Action	Primary MG.	<b>35</b>	F4-59	
Ground Meter Zone			888	088	
Date Sampled			03/09/88	07/06/88	
Sempled By			RADIAN	RADICAN	
Date Analyzad			07/13/88	07/13/88	
3			S	· · · · · · · · · · · · · · · · · · ·	
Field Amiyais					
Lab Analysis			ğ	877	
Total cyanida	0.200	1	2	——————————————————————————————————————	
Americale cyanida	0.200	0.200	2	2	
All UNITS ARE mg/l M4 = Menicoring Wall LDA = First laboratory deplicate LDB = Second laboratory deplicate	plicate are uplicate an	te analysis nte analysis		RMILAN = Radian Outpurstion, Secremento MD = Nothing detected SAC = Redian Analytical Services, Secremento	

TARE 1-49. MATER LCC OF WELLS SMPLED FOR U.S. EYN METHED GOL COPPOUNDS FOR THE INCHESTS MERA, CROUNDWITHS SMPLED OND MALKELS FROCKMY, JULY THROUGH SEPTEMER 1989, MACHELAN AFB

	900	U.S.EPA				3	LPT. NIPPER						
Parameter	Action Level	Primery M3.	¥-7	M+76	₩-100	M+1002	M4-1003	M-1004	M+1005	MH-1005	MH-1005	M+1005	M+1009
Ground Water Zone			MIDIE	MODE	2260	SIMION	MIN	201 975	5178	GEN I CO	COLUMN	51.80	STATE OF
Date Samiled			07/26/88	07/21/88	07/22/88	07/19/88	07/22/BB	07/22/8B	02/19/BB	86/61/20	02/10/20	02/10/2B	02/26/88
Sempled By			RADIAN	RADIAN	RADIAN	PADIAN	PADIAN	RADITAN	RADIAN	PADIAN	RADIAN	RADITAN	RADIAN
Date Analyzed			07/27/88	07/25/88	07/26/88	07/21/88	07/26/88	07/26/88	07/21/88	07/21/88	07/21/88	07/29/88	07/27/88
4			38	SAC	36	25	SkC	S	SC	3	3	8	28
Field Amlysis									Ę	é	Ē		
Lab Analysis									ą	877		į	
Chloromethere	Z	<b>1</b>	2	9	2	2	2	2	2	2	2	2	2
Bronometherne	꾍	¥	2	2	2	2	2	2	2	2	9	2	9
Viryl chloride	7	-	2	2	2	2	2	2	2	2	2	2	2
Chlocoathana	¥	2	2	2	2	2	2	2	2	2	2	2	2
Methylene chloride	3	里	2	2	2	2	2	2	2	2	2	2	2
Trichlocofluoromethere	3400	¥	2	2	2	2	2	2	2	2	2	2	2
1,1-Dichloroethene	9	7	<b>6</b> 71	5	5	0.66C	2	23	Ŝ	ĝ	330	38	2
1,1-Dichlozoethere	R	¥	0.2IP	14C	2	2	2	1.80	7.45	89 67	BK 'S	2	2
Total 1,2-Dichlocosthers	93	¥	0.4 <b>2</b> 8	140	2	2	2	0.76C	Ø; ₹	<b>8</b> 5	3.40	2	2
Chlorofoun	욢.	<b>§</b> .	2	2 !	2 !	2	2	2	2	2	2	2	2
1,2-Dichloroethere	., {	n 8	0.20	2 9	<b>2</b> !	2 !	<del>2</del> !	0.2C	1.08 6	0.80 1	3.6	2.1C	2
1,1,1-irichicondum	3 .	₹.	<b>2</b> 9	2 9	5 8	2 9	2 !	<b>2</b> !	2 !	2 9	5.1C	1.E	2 !
Bernal Decimendo	۹ ا	۹ ج	2 9	5 8	5 5	5 8	2 9	2 9	2 9	5 8	2 9	2 9	2 <u>9</u>
1 2-Dichlerommone	₹ 5	3 1	5 5	2 5	5 5	5 5	2 5	5 5	2 5	<b>2</b> §	5 5	2 9	2 9
Trans-1.3-dichloruscopers	<b>!</b>	<u> </u>	2 2	2	2 2	2 2	2 9	5 5	9 9	2 9	2 5	§ §	2 9
Trichlocosthans	'n	'n	9	2	2	0.290	£	2.20	ay.	de de	5	) 6 ) 10	2
Dibeconochilocomethere	9	9	2	2	2	2	2	2	2	2	2	2	2
1,1,2-Trichlomethers	901	¥	2	2	2	2	2	2	2	2	2	2	2
cis-1,3-Dichloropoons	82	¥	2	2	2	2	2	2	2	2	2	2	2
2-Chloroethylvinyl ether	빞	¥	2	2	2	2	2	2	2	2	2	2	2
Broandoem	8	9	2	2	2	2	2	2	2	2	2	<u> 2</u>	2
1,1,2,2-Tetrachlocoethere	鱼	¥	2	2	2	2	2	2	2	2	9	2	2
Tetrachlocoethene	4	¥	2	2	2	2	2	2	2	2	2	2	2
Chloeobersens	8	¥	2	2	2	2	2	2	2	2	2	2	2
1,3-Dichlorobersers	130	Έ	2	2	2	2	2	2	2	2	2	2	2
1,2-Dichlorobersens	81	Ħ	2	2	2	2	2	2	2	2	2	2	2
1,4-Dichlorobersens	(LOQ)0.5 N	E	2	2	2	2	2	2	2	2	2	2	2
ALL UNITS ARE US/1													
My = Manttoring Well	•		<b>∑</b> !	₹	= Radian Comporation, Secremento	Secremento	Z	NO = Nothing detected	detected				
First field deplicate amplysis	e erelysis		8		= Centrale Environmental Services	al Services		- Analysis	- Analysis confirmed in second column analysis	muloo puose	n eralysis		
FLB = Second field deplicate analysis	Co area ya	<b>9</b>	75		- Martian Amelytical Services, Secremento	ervices, Secr			LOO = Limit of quantitation	•			
LLA = First Laboratory Oxfolloste shally	A TOTAL	1					24 1	or PC	P or RC = Identity previously continued	aly certified			
LAB = Securi Laboratory Capilicate analysis	plicate =	alys1s					E .	NE. = Not established	blished blished				

Action Personner Level Ground bleter Zone Date Sempled Sempled By Date Avalymed Lab That Avalymed 1.4b	ď	100				M44-1028	1001		
Ground wheen Zone Date Sumpled Sumpled By Dute Aralyzed Lab That Aralyzes		MG.	<b>M</b> -1019	#-1036	<b>1</b>		1007	<b>A</b> +1042	MF-1043
Date Sumpled Sumpled By Date Aralyzad Lab Flaid Aralyzis		Mana	MOTMES	SHALON	MODE	20	MOTUMES	MEDILE	1889
Surpled By Date Aralyzed Lab Flaid Aralyzes		07/19/88	07/11/88	07/13/88	07/13/88	07/13/88	07/15/88	07/15/88	07/15/88
Date Amlyand Lab Field Amlyais		RADIAN	PACEAN	RADIAN	PADIAN	RADIAN	RADILAN	ROLAN	PACIZAN
Lab Field Analysis		07/21/88	07/12/88	07/15/88	07/15/88	07/15/88	07/18/88	07/18/88	07/18/86
Field Arelysis		Se	35	SE	SAC	SAC	SKC	SAC	25
1 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
THE STREET STREET									
Orlocomethers NE	<u> </u>	£	Q	2	2	2	2	2	Q
Beconomethers	¥	2	2	2	2	2	2	2	2
Virgi chloride 2	-	£	2	2	2	2	2	9	2
Chlorcoethens NE	¥	2	2	2	2	2	2	2	£
Mathylane chloride 40	¥	2	2	2	2	2	2	2	2
Trichlorofluoromethens 3400	¥	9	2	2	2	2	2	2	2
_	7	2	2	£	2	2	2	2	9
••	¥	2	1.80	2	2	2	2	2	£
Mchloroethene	¥	2	0.60C	2	2	2	2	2	Q
Chloroform 100	<b>3</b>	2	0.16C	2	2	2	2	2	Q
	•∩	2	2	2	2	2	2	2	Q
1,1,1-Trichlocosthers 200	8	2	2	2	3	2	2	2	2
Carbon tetrachloride 5	'n	2	2	2	2	2	2	2	<b>R</b>
,	텷	2	2	2	2	2	2	2	2
	발	2	2	2	2	2	2	2	£
Trans-1,3-dichlocopropers NE	¥	2	2	2	2	2	2	2	2
Trichlocoethere 5	٠,	2	1.30	2	2	2	2	2	£
	9	2	2	£	2	2	2	2	2
	Ħ	2	2	皇	2	2	2	2	2
cis-1,3-Dichloropopens 87	¥	2	2	2	2	2	2	2	2
2-Chloroethylvinyl ether NE	발	2	2	2	2	2	2	욮	£
Beomoform 100	9	2	2	2	2	2	2	2	Q
1,1,2,2-Tetrachlocostians NE	¥	2	2	2	9	2	2	2	Q
Tecrachilocoethers 4	义	2	0.500	2	2	2	2	2	2
	¥	2	2	2	2	2	2	9	£
1,3-Dichlorobergers 130	¥	2	2	2	2	2	2	2	Q
_	¥	2	£	2	2	2	2	2	2
1,4-Dichlorobersers (100)	(LOQ) 0.5 NE	2	2	2	2	2	2	2	2

ALL UNITS ANE ug/l M4 = Menitoring Well

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detected
C = Analysis confirmed in second column smalysis
IOR = Limit of quentitation
NE = Not established

MISTER LOS OF HELLS SWELED FOR U.S. EIN MENED 602 COPPOUNDS FOR THE INTOHEST AREA, CHOUNINGER SMELLIC AND ANLYSIS PROGRAM, JLY THOUGH SEPTEMER 1988, MCLELAN AFB TABLE 1-50.

Parameter	10185 Action Lovel	U.S.EPA Primary NG.	71-181	M-76	<b>M4</b> -1001	M+1002	ELL NUMER M4-1003	M#-1004	NH-1005	M+1005	M4-1005	M+1005	M+1009
Georat Meter Zare Date Sembed Sempled By Date Analysed Lab Find Analysis			MUDIE 07/26/88 07/27/88 SAC	MUDELE 07/21/88 RADIAN 07/25/88 SAC	17627 07/22/88 07/26/88	SHALON 07/19/88 77/19/88 77/21/88 SAC	METALE 07/22/88 NADLAN 07/26/88 SAC	SENT.154 07/22/88 8A0TAN 5AC	SENLICH 07/19/88 07/12/88 5AC FOA 1DA	SHALOH O7 139/88 RADIAN O7/21/88 SAC FOA	SHV1.04 07/19/88 RADIAN 07/21/88 SAC FUS	SHALIGA 07/19/88 PACILAR 07/29/88 CES	SBN1.CH 07/26/88 RWDZAN 07/27/88 SAC
Ottorchemens 1,3-Dichlorchemens 1,2-Dichlorchemens 1,4-Dichlorchemens Bernens Ettylbersens Tollores	30 KE 130 KE 130 KE (100)0.5 KE 7 5 660 KE	おおある ~ ああ	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	222222	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	222222	222222	222222	222222	555555	222222	888888	222222

ALL UNITS ARE ug/1

NA = Munitouring Hell

FDA = First field deplicate analysis

FDB = Second field deplicate analysis

LDA = First laboratory deplicate analysis

LDA = First laboratory deplicate analysis

PATM = Radian Corporation, Secremento CES = Carolle Barbornental Services SAC = Radian Analytical Services, Secremento

ND = Nothing detected

ION = Limix of quentitation

P or FC = Identity previously confirmed

NE = Not established

Parameter	DORS Action Level	U.S.EM Princey NG.	<b>M-1010</b>	<b>14-1019</b>	₩-1036	MH-1027	MEZ. M.POBER 144-1028	M-1041	M+1042	M+10k3
Geourd labter Zera Date Semplant Semplant By Date Analyzad Lab Flaid Analyzis Lab Analyzis			MIXILE 07/19/88 RADIAN 07/21/88 SAC	SEWLICH 07/11/88 RADIZAR 07/12/88 SAC	SEWLCH 07/13/88 PADISH 07/15/88 SAC	HEDDIZ 07/13/88 07/13/88 07/15/88 SAC	URBP 07/13/88 9A/14/89 07/15/88 SAC	SHWLCH 07/15/88 PACILAN 07/18/88 SAC	MIDDLE 07/15/88 07/15/88 07/18/88	DBBP 07/15/88 NACINA SAC
Chlorobersens 1.3-Dichlorobersens 1.4-Dichlorobersens 1.4-Dichlorobersens Brigiliersens Ritylbersens Tolomes	130 120 120 120 120 120 130 130 130 130 130 130 130 130 130 13	で ある。 ある。 ある。 ある。 ある。	555555	3333333	555555	222222	222222	222222	255555	222222
ALL UNITS ARE unit			2	ACCIAN = Radian Cosporation, Secremento	n Cosporat Ion	, Secremento		ND - Nothing detected	detected	

TMBE 1-51. MISTER LIG OF WELLS SAMPLED FOR U.S. ERN MERTID 604 COMPUNES. PROBLEM, CRUNDWITHS SMOLLING AND ANNIXES FROMM, JALY THOUGH SEPTEMBER 1988, MGJELAN AFB

Count blaze Zers Count blaze Zers Date Sempled Sempled By Date Aralysis Lab Flaid Aralysis Lab A	Action Laws Constitution Consti	A S S S S S S S S S S S S S S S S S S S	H-74 T/26/88 N21AH NC (88	HUTTLE 07/21/88 PACTAN 08/01/88 SAC ND ND ND ND ND ND ND ND ND ND ND ND ND	WELL NLOOR
4-Chloro-3-methylpherol 4,6-Dinitro-2-methylpherol	<b>2</b>	. Z :		8 9 1	

ALL UNITS ARE va/1 PM = Mentioring Wall

- ---

RADLAN = Radian Componenton, Secremento SAC = Radian Analytical Services, Secremento

ND = Nothing detected C = Analysis confirmed in second column analysis NE = Not established

TABLE 1-52. INSTITUTO OF WELLS SAMELED FOR U.S. ERA CLP METHED 65A COMPOUNDS FOR THE INTERNETIA MEA, GROUNDIARDER SAMELING AND ANALYSIS FROTRAM, JULY THROUGH SEPTEMER 1988, MCCELLAN AFB

	DOME	U.S.EPA				HELL NUMBER
Pacameter	Act ion	Primery MG.	Primary M4-1004 M3.	M4-1009	M-1019	
Ground Water Zone			SEALLON	SPALICH	MUTUR	
Date Sampled			07/22/88	07/26/88	07/11/88	
Sempled By			RADIAN	PACITAN	RADIAN	
Date Analyzed			08/02/88	08/03/88	07/16/88	
3			Sec	SKC	3	
Field Amalysis						
Lab Aralysis						
Chlocomethers	2	¥	2	2	2	
Bettermethere	¥	띛	2	2	2	
Viryl chloride	~	-	2	2	2	
Chloecoethers	발	更	2	2	2	
Methylans chloride	3	2	2	2	2	
Trichlocofluoromethers	3400	Ή	¥	Į	2	
1,1-Dichlocoethers	9	_	13	2	£	
1,1-Dichlocoethene	a	¥	2	£	2	
Total 1,2-Dichlocosthers	91	¥	2	2	2	
Chloroform	9	8	2	2	2	
1,2-Dichloroschens	-	·^	2	2	2	
I, I, I-Trichiomethers	8,	8	2 !	2	2	
Carbon tetrachlorida	•	Ś	2	2	2	
Broandichloromethene	8	9	2	2	2	
1,2-Dichlocopeopere	2	鱼	2	2	2	
Town-1, 3-dichlocopropers	¥	¥	2	2	2	
Trichlocoathers	S	'n	2.2	2	2	
Dibeconchiocomethene	8	9	2	2	2	
1,1,2-Trichlocoethers	8	Э	2	2	2	
cle-1,3-Dichloropeopens	8	¥	2	2	2	
2-Chloroethylvinyl orber	¥	哥	£	£	2	
Bernedoen	엻	61	2	£	2	
1,1,2,2-Tetrachlocoethure	Ħ	Э	2	2	2	
Tetrachlocoethane	•	¥	2	2	2	
Chloardhennenne	R	¥	2	2	2	
Berneura	۲.	ۍ	2	2	2	
Ettylbensene	<b>9</b>	¥	2	2	2	
Tolume	8	밀	2	2	2	
Acetorie	Ħ	¥	9.1B	2	2	
Carbon disulfide	¥	¥	2	2	2	

ND = Northing detacted
NA = Not analyzed
B = Compound detected in laboratoxy blank - not edited
NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

ALL UNITS ARE ug/1 MV = Mandtowing Well TABLE 1-52. (continued)

Parameter	OGES Action Level		U.S.RPA Primary M4-1004 M3.	M4-1009	M-1019	WELL NUMBER	
Ground Mater Zone Date Sempled Sempled By Date Analyzad Lab Flaid Analyzas Lab Analyzas			SEMILON 07/22/88 RADIAN 08/02/88 SAC	SHV1.CM 07/26/88 RADZAN 08/03/88 SAC	SBN.LCM 07/11/88 RADLAN 07/16/88 SAC		
Virgi acetata 2-Honorona 4-Hettyl-2-pertanona Systema Total Xylemas	2222	****	22222	2222	<b>3555</b>		
ALL LUCTS ARE ug/1 M = Manitoring Mell			<b>3</b> 3	DIAN = Redian	RADIAN = Radian Corporation, Secremento		ND = Noching detected

TABE 1-53. MASTER LICE OF WELLS SAMPLED FOR U.S. EPA WERLING AS COMPUNIOS FOR THE INTERNEST AREA, GROUNDINGER SAMPLING AND AMUNIOS PROGRAM, JULY THOUGH SEPTEMER 1988, MCCRLAN AFB

Court wear Zana	HELL NIMER	
### STANLOH ### STANLOH ### 130 MG		
### SHALICA   17/2/189		
130 KB 100 KB 10	••	
2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/88 2001/0/98 2001/0	Ī	
207.10/69  130		
SAC 130 KK		
Things No. 130	<b>35</b>	
The contract of the contract o		
130 KK BB		
The contract of the contract o		
### ### 750 ## ## ## ## ## ## ## ## ## ## ## ## ##	! ♀	
riture RE	2	
anne KK	2	
rther R R R R B B B B B B B B B B B B B B B	2	
tine	· 2	
# charter	2	
tins RE	2	
tire NG	Q	
M	2	
He	2	
He H	2	
whether M M M M M M M M M M M M M M M M M M M	Q	
binations NE	2	
Planetes NG	<b>Æ</b>	
Athlates & K.	2	
### ### ### ### ### ### ### ### #### ####	2	
F F F F F F F F F F F F F F F F F F F	Q	
The control of the co	2	
THE	2	
To the control of the	2	
Fe RR RB	Q	
re N.	Q	
TO NE NO	Q	
M. M	2	
ME NG NG NG MG	2	
(100)0.7 NE NO methans NE NE NO indians NE NE NO indians NE NE NO indians NE NE NE NO indians NE	2	
nectures NS NE NO saddens NS NE NO saddens NS NE NO NO saddens NS NS NO saddens NS	2	
addara NG NG NO addara NG	2	
addens NE NE ND	. <b>9</b>	
TT	2	
111		
	9	
	KANLAN = Katlan Corporation, Sathameter	

ND = Nothing detected
NA = Not emalyzed
LOQ = Limit of quentitation
NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Amalytical Services, Secremento

steer Zone  by  layout	Action	U.S.EM Primary	U.S.EPA Prignacy 164-1004	MELL NABER	œ	
Sepulco Sepulc	racional		į			
Marches   Marc	Ground Water Zone			SHALLOW	KOTINES	
Molina   M	Date Sempled			07/22/88	07/26/88	
March   Marc	Sempled By			RADIAN	PADLAN	
S.C. S.C.	Date Analyzed			08/10/88	08/11/88	
NE NE NO	4			SAC	Sec	
NE	Field Amlysis					
NE	Lab Aralysis					
NE   NE   NO   NO	Laphorus	1	12	2	9	
NE   NE NO	Nexteralore	2	2	2	2	
No.	Witrobersene	2	Ħ	2	2	
No.	Phenenthrene	<b>3</b>	¥	2	2	
No.	Diberrac(a,h) erritracers	Ä	¥	2	2	
NE   NE   NO   NO	Induxo(1,2,3-cd)pyrums	2	¥	2	2	
NE   NE   NO   NO   NO   NO   NO   NO	Pyrane	¥	黑	2	2	
NE   NE   NO   NO   NO   NO   NO   NO	2,4,6-Trichlomphenol	¥	¥	2	2	
NE	2-Chlorophenol	¥	¥	2	2	
March   Marc	2,4-Dichlorophenol	曼	¥	2	£	
NE   NE NO	2,4-Dinachylphanol	9	¥	2	2	
NE   NE NO	2-Nitrophenol	¥	¥	₽	2	
NE   NE NO	4-Nitropherol	<b>2</b>	꾶	2	Q	
30 NE NO	2,4-Dinterophenol	Ħ	¥	2	2	
NE   NE NO	Percachlocophenol	8	7	2	2	
March   Marc	Phenol	7	2	2	2	
NE   NE NA	M-nit moodiphery lanine	<u> </u>	₩.	2	2	
Action: NE NE NO	Benzidine	黑	<b>¥</b>	£	£	
No.	4-Brungheryl pherylether	¥	¥	2	2	
NE NE NO NO NO   NO   NO   NO   NO   N	Bis(2-chloroisopeapyl)ether	<b>E</b>	<u>w</u>	2	2	
NE   NE   NO   NO	Bergo(g,h,l)perylene	<u> </u>	<b>H</b>	₽.	2	
No.   No.   No.   No.	Flucrens	M i	<b>y</b> !	2	₽:	
Partial No.	4-Cricco-3-metrylphenol	¥ !	¥ ;	<b>2</b> !	2 !	
N.	4,0-Unitro-2-methylphenol	<b>.</b>		2	2:	
NE   NE   NO   NO   NO   NO   NO   NO	Andline	¥ !	<b>y</b>	£!	<b>≨</b> :	
NE   NE NO	DELEGAT STOCKED	į į	į į	2 !	2 !	
No.	Township and Township		<b>F</b>	2 !	₽:	
NE NE NO NO S NO NO S NE NE NO NO S NO	4-rectly targeton	<u>.</u>	<u>.</u>	2 !	<b>2</b> !	
NE NE NO N	Detablic acid	<b>Ž</b>	¥	2	5	
of NE NE NO NO  NO NO  NO NO  RADIAN = Radian Corporation, Secremento  SAC = Radian Ambrical Services, Secremento	4-Chloroent Ine	<b>i</b>	<b>H</b>	2 :	2:	
tol NE NE NO NO RALIAN = Radian Corporation, Secremento SC = Radian Analytical Services, Secremento	2-Methylmaphthalane	¥	<u> </u>	2	2	
il RADIAN = Radian Corporation, Secremento SKC = Radian Amiytical Services, Secremento	2,4,5-Trichlosophenol	<b>1</b>	<b>E</b>	2	2	
RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento	ALL UNITS ARE UR/1					
= Radian Analytical Services, Sacramento	M4 - Monitoring Well			2	ADIAN = Radian Corporation, Secremento	ND .= Nothing detected
				ð		NA = Not analyzed

TABLE 1-53. (continued)

Parameter	DOBS Action Level	U.S. BPA Primary MCL	U.S.EPA Primacy M4-1004 M3.	H4-1009
Ground Water Zone Date Sampled Sampled By Date Analyzed Lab Fleid Aralyzis Lab Analyzis			SHALICH 07/22/88 RADIAN 08/10/88 SAC	SEWICH 07/26/88 RADZAN 08/11/88 SAC
2-Hittoanil ira 3-Hittoanil ira Dibenativan 4-Hittoanil ira Berac(b) fluorenthera	2 2 2 2 2 2 E	***	22222	
ALL UNITS ARE ug/1 N4 - Minitoring Hell			2.5	RANIAN = Radian Componention, Secremento NO = Nothing detected SAC = Radian Analytical Services, Secremento NE = Not established

TABLE 1-54. MISTER LOS OF MELLS SAMELED ROR FRENKLITY FRELIDENT METALS AND OBBIR INDIGNALIC COMPOUNDS FOR THE INTOTABLES AREA, GROUNDHATER SAMELING AND ANALYSIS FROCKAM, JULY THOUGH SEYTHMER 1988, M-CLALLAN APB

Parameter	Action Level	Tient Ti	Primary M4-1005 NG.	1005	100	M4-1009	
Ground Mater Zone			SENTION	SEMILON	MOTANS	MOTANS	
Date Sampled			07/19/88	07/19/88	07/19/88	07/26/88	
Sempled By			RADIAN	RADIAN	RADIAN	RADIAN	
Date Analyzed							
3			SKC	36	8	SC	
Field Aralysis			FD.	85			
Lab Analysis							
Art incre	¥	9	ç	9	9	9	
Arsenic	<u> </u>	0.050	9	9	9	9	
Beryllin	<b>2</b>	2	2	9	9	2	
Cadadan	<b>Y</b>	0.010	2	<u> 2</u>	. <del>2</del>	2	
Orcmium	Ä	0.060	0.011	600.0	0.015	2	
Oppor	¥	¥	0.007	0.00	2	2	
	Ä	0.050	2	2	2	2	
Marcary	2	0.000	2	2	2	2	
Nickel	題	<b>3</b>	0.053	0.061	950.0	2	
Selentim	¥	0.010	2	2	2	2	
Silver	¥	0.050	2	2	2	2	
Trallium	Ä	2	2	2	2	2	
Zinc	Ä	¥	90.00	600.0	2	0.004	
Fluorene	Ħ	딸	2	2	£	2	
Calctum	Ä	2	2	2	£	2	
Chloride	¥	¥	2	2	£	2	
Carbonate	Ä	₩	2	2	£	2	
lom	Æ	¥	£	2	£	2	
Bicarbonate	¥	¥	2	2	ź	2	
Megrastum	¥	更	2	2	£	2	
Sodium	¥	<b>1</b>	2	2	¥	2	
Sulface	¥	¥	9	2	≨	2	
Bertum	<u> </u>	1.0	£	Ž	¥	2	
Mangarase	Ħ	¥	2	2	¥	Q	
Total Albalinity	¥	¥	2	2	£	2	
Nitrate	¥	3	2	2	≨	2	
Total Dissolved Solids	발	Ä	2	2	≨	2	
AL UNITS ARE mg/1			2	MAN = Redise	BATTAN = Radian Controrse for. Secremento	Secreto	N = Nothing detected
FIR - Pirst field deplicate aralysis	ate aralysis	_	B	i	- Cercule Environmental Services	al Services	W. = Not analyzed
FIB = Second fleid depli	cate amplysi	9	35		Amalytical S	= Radian Amalytical Services, Secremento	NE = Not established

TABLE 1-55. MISTER LOS OF WELLS SAFELED FOR U.S. ERA HETAED SAFELIO COMPOUNDS FOR THE NEIGHBEST AFEA, CRONDWATHE SAFELIOS AND ANALESIS FRORMA, JLY THOUGH SEPTEMBER 1988, M-CLELAN AFB

Parameter	Met ion	U.S.EA	1001- <b>14</b>	M-1003	MA-1004	85
Ground better form Date Surpled Surpled by Date Amilyand Lab Field Amilyais			1722/88 17/22/88 18/02/81 18/02/88 18/02/88	MITTLE 07/22/98 PAGILAN 08/05/98 SAC	SW1.DA 07/22/88 RAD1AH 08/05/88 SAC	
Total cymide Amnable cymide	0.200	0.200	22	22	2 2	
ALL UNITS ARE my/1 194 = Menticeing Well			\$ 35   	OLAN - Radian C - Radian	RAULAN = Radian Componeion, Secremento SAC = Radian Amilytical Services, Secremento	ND = Northung detected

DARE 1-56. MISTER LCC OF MELLS SAPPLED FOR U.S. ETA HEIRED 601 COPPOUNDS FOR OTHER CHERGE APENG, GOUNDHATER SAPELING AND ANALYSIS PROTAIN, JULY TRICICAL SEPTEMER 1989, NACI ALM APE

Zore	Par lan												
General Mateur Zone	3	Primery AG.	n Primacy M4-170 MC.	<b>W</b> +180	M+240	M+290	964-44	M-100	<b>14</b> -101	<b>M</b> +102	<b>M</b> +103	MH-106	M+116
COUNTY PRINTS CALE			Manne P	PULLAR E	MITTER		COLWING.	2	1001	STATE OF THE PARTY		100100	CONT ACI
Date Semiled			07/21/88	07/18/88	07/12/88	07/12/88	07/25/88	07/19/88	07/19/PB	08/21/00	07/12/88	07/13/88	07/06/98
Semiled Pe			RADIAN	RATION	RADIAN	PAZIONE	PADIAN	PAUL	NAT CAS	PATTAN	PANTAN	DATTAN	PATITAL
Date Analyzed			07/2/88	07/19/88	07/14/88	07/14/88	07/26/88	07/27/88	07/21/86	07/14/88	07/14/88	07/14/88	02/07/88
4			SEC	Sec	SAC	38	SEC	SKC	28	280	280	Sec	SKC
Field Armlysis													
Chlorosethere	띺	¥	2	2	2	2	2	2	2	2	2	2	2
Bronometherse	<b>9</b>	¥	2	2	2	2	9	2	2	2	2	2	2
Virgi chloride	7	7	2	2	2	2	2	2	ē	2	2	<b>9</b>	2
Chlorcosthers	鼍	<b>2</b>	2	2	2	2	2	2	2	2	2	£	2
Methylene chloride	3	鱼	2	2	2	2	<b>Q</b>	2	Ş	2	2	2	2
Trichlocofluxxomethers	340	发	2	2	2	2	2	2	2	2	2	2	9
	9	7	2	2	2	2	2	2	2	2	2	£	2
	8	¥	2	2	2	윤	2	2	2	2	2	2	2
Mohlocoethere	16	2	2	2	2	2	2	2	2	2	2	9	2
	81	8	2	0.1ZP	2	2	2	£	2	2	2	2	2
	-	٠	2	<b>9</b>	2	2	2	2	2	2	2	<b>Q</b>	2
•	8	8	2	2	2	2	2	2	2	2	2	2	2
Carbon tetrachloride	•	•	2	2	2	2	2	9	2	2	2	2	2
Becomplichloromethers	8	8	2	2	2	2	2	2	2	2	£	2	2
1,2-Dichloropropera	91	筻	2	2	2	2	9	2	2	2	2	2	2
Trans-1, 3-dichlorquopere	별	¥	2	9	2	2	2	2	2	2	2	2	2
Trichlocosthers	<b>?</b>	•	2	2	2	2	2	2	2	2	2	₽	皇
D;bromothorosethere	8	8	2	2	2	2	2	2	2	2	2	2	2
1,1,2-Trichlomethms	81	<b>y</b>	2	2	2	2	2	2	2	2	2	2	2
cis-1,3-Dichloropeopens	82	2	2	2	2	2	2	2	2	2	2	2	2
2-Chlorosttylvinyl ether	<b>2</b>	7	2	2	2	2	2	2	2	2	2	2	2
Beamform	ള	8	2	2	2	2	2	2	2	2	2	2	2
1,1,2,2-Tetrachlomethers	**	2	2	2	2	2	9	2	2	2	2	2	2
Tetrachlomethers	4	¥	2	9	2	2	2	2	2	2	2	2	2
	æ	<b>E</b>	2	2	2	Q	2	2	2	£	2	2	2
	130	<b>X</b>	2	2	2	2	2	2	2	2	£	2	2
	81	¥	2	2	2	2	2	2	2	5	2	ę	2
1,4-Dichloroberners	(LOQ) 0. 5 NE	<b>¥</b>	2	2	2	2	2	2	2	2	2	2	2

ALL UNITS ARE ug/1 M4 = Menteoring Well

.....

RADIAN = Redian Corporation, Secremento SAC = Redian Analytical Services, Secremento

ND = Northing detected

LOQ = Limit of questitation

P or PC = Identity previously confirmed

NE = Not established

TABLE 1-57. INSTER LIGG OF MELLS SAMPLED FOR U.S. ETA NETHED 602 COMPOUNDS FOR OTHER OFFICE AND ANALYSIS PROGRAM, JULY TROUGH SEPTEMER 1998, MCCRELAN AND

30 NE NO (LOQ) 0.5 NE NO (LOQ)	Parameter	DOBS Action Level	U.S.EPA Primary MCL	M4-170	<b>GPT-19D</b>	M-240	36-45 14-20	WEST NUMBER 184-495	M+100	M4-101	M+102	91 <del>1</del>	<b>14</b> -106	<b>H</b> +116
O1/21/88   O7/21/88   O7/12/88	Ground Water Zane			MOTE	MINE	MILLER	MITTALE	GENTAL	Mark	Separate Sep				
NADZAH   N	Date Sampled			07/27/88	07/18/88	07/12/86	07/12/88	02/22/88	00/10/00	02/10/20		MILE STATES	METON	SECTO.
30 NK NO	Sempled By			RADIAN	RADITAN	RADIAN	PADIAN	PADIAN	PADTAN	PATTAN	100 Table	10 17 10 E	or its just	90/00
30 NE NO	Date Analyzed			07/25/88	07/19/88	07/14/88	07/14/88	07/26/88	07/21/88	07(21/98	00/11/00	02/14/00	100 11 100 E	
30 KE NO	3			SAC	Sec	Sec	5	3	3		90 (b.T.) / O	20/st//0	B/41/0	98/0//0
30 NE NO	Field Amlysis			ŀ	ì	ì	}	ì	}	ì	ì	3	) }	o M
30 NE NO	Lab Analysis													
130   160   150   160   150	Chlorobersene	8	. –	2	9	£	9	9	5	9	4			
Morcebarsers 130 KE ND	2.3-Dichicarchaman	Ę	_	9	9	9	? 9	2 9	9 (	5 ;	2	5	2	2
Marchanister		3 5	•	<b>?</b> !	2 !	5	2	5	5	2	2	2	2	2
TACKCOMENSOR (LOC) 0.5 NO	1,4. S. T. S	2	_	2	2	2	2	오	윤	2	2	2	2	9
1.7 5 ND NO ND	1,4-Vicinoscopings	(000)	_	2	2	2	2	2	2	2	2	2	2	9
100 NE NO	Desperse	۲. ا	<b>~</b> !	2	2	2	2	2	e	£	2	2	2	2
	STATION OF THE PARTY OF THE PAR	<b>3</b>	<b>2</b>	2	2	2	2	2	£	2	2	2	£	2
	IOUEL	007		2	2	2	2	2	£	2	2	2	2	2
	ALL UNITS APE ug/1													
MW = Maniforting Meil NO = Northing determined	M = Menicoring Hell			RAC	MAN - Redien	Corporation,	Secramento	z	D = Nochdare	deterrad				

1-138

ND = Nothing detected LOQ = Limit of quantitation NE = Not established

RADIAN = Radian Comporation, Secremento SAC = Radian Analytical Services, Secremento

TABLE 1-58. INSTER LCG OF WELLS SAFELED FOR U.S. ETA CLP MENTED 624 COPPOUNDS FOR OTHERS OF MENCE, GROUNDANTER SAFELING AND ANNUASIS PROTEIN, JULY THROUGH SEPTEMBR 1998, MCCELLAN APP

Parameter Level Ground Mictor Zone Data Sempled Sempled By Data Aralyzad Lab Plaid Aralyzad Lab Aralyzas Red Aralyzas Red Aralyzas Red Aralyzas Red Aralyzas Red Aralyzas		HCL HCL HCL HCD12 (88 07/21/88 08/02	MUDIE 07/21/88 NAUTAR 06/02/88	N#116 GMITGU
Geourd Mater Zone Date Sempled Sempled By Date Analyzed Lab Pield Analyzes Lab Analyzes Coloromethene NE Monomethene NE	光光 4 形形	HITTLE 01/21/88 PADIAN 06/102/88 SAC 11/21/88 PADIAN 11/21/88 SAC 11/21/88 PADIAN 11/21/88 PADIAN 11/21/88 PADIAN 11/21/89 PAD	MUDILE 07/21/88 PACIAN 08/02/88	CANTOL
Date Supplied Supplied by Supplied by Supplied by Pield Amalysis Lab Analysis Oloccuschers NE Representations NE	光光 4 形形	07/21/88 RADIAN RADIAN SOC LIDA LIDA ND	07/21/88 RADIAN 08/02/88	
Surpled by Date Aralyzad Lab Ploid Aralyzia Lab Aralyzia Chloccurthers RE Becansethers	光光~ 形形	86/02/88 C6/02/88 C7 C/02/88 C7 C/02/88 C7 C/02/88	PACITAR 08/02/88	98/90/00
Date Aralyzad Lab Plaid Aralyzis Lab Aralyzis Gliocourthers RE Becansechers	光光 4 张 第	86 86 86 86 86 86 86 86 86 86 86 86 86 8	08/05/88	RADIAN
Lab Platd Amiyata Lab Amiyata Chlocomthere Reference NE	22.22	% 4 2222422	45	07/16/88
Pield Amiyata Lab Amiyata Oloccarthane NE	22.25.5	\$ 2222322	}	O'S.
Lab Aralysis Chlorconthurs RE Bronconthurs NE	<b>55 - 55</b>			
Chlorcoarthers NE becaracthers NE	53-53	22222222	8071	
brosconthers NE	<b>2 - 2 2</b>	<u> </u>	2	2
	- <b>2</b> 2	999≸999	2	2
Virgi chloride 2	<b>%</b> %	991999	2	2
Chlocoschere NE	<b>Y</b>	2	2	2
logide		<b>£</b> 229	9	2
Trichlocofluocoasthere 3400	빞	225	≨	2
1,1-Dichlocostisms 6	7	5 5	2	2
1,1-Dichlocoettene 20	更	ş	£	2
Achloroethers	Ä	į	2	2
Chloroform 100	92	2	2	2
	•	2	2	92
1,1,1-Trichlomethens 200	8	2	2	2
_	'n	2	2	욮
Becardichlocomethers 100	8	2	2	9
1,2-Dichloropropers 10	Ä	2	2	2
Trans-1, 3-dichlosopropers NE	띺	2	2	2
	'n	2	2	Q
Dibecmochlocomethere 100	<b>0</b> 1	2	Q	2
	¥	2	2	2
cis-1,3-Dichloxopeopers 87	¥	2	2	£
tylvinyl ether Ne	¥	≨	£	2
Brunckoum 100	9	2	Q	2
1,1,2,2-Tetrachlocoethane NE	9	2	2	2
Tetrachlocoethens 4	坐	2	£	2
Chlorobernens 30	¥	2	2	S
	•	2	2	2
Ethylbersens 660	¥	2	2	2
Tolume 100	兇	2	2	2
	筻	9	2	92
Carton disulfide NE	¥	2	2	2
2-Butarone NE	¥	2	2	92
Virgi acetate NE	Æ	2	£	2

1-139

AL UNIS AR ug/1

M4 = Manitoring Wall

LDA = First Laboratory deplicate analysis

LDB = Securd Laboratory deplicate analysis

RADIAN = Redian Comporation, Secremento SAC = Redian Analytical Services, Secremento

NO .= Nothing detected
NA = Not analyzed
NE = Not established

TABLE 1-58. (continued)

Perspeter	OOSS Action Level	U.S.EPA Primary M.C.	M4-170	M-170	WELL NAMER 194-116	Lines
Ground Water Zone			MILE	MEDIE	NOTINES.	
Data Sempled			07/21/88	07/21/88	07/06/88	
Sampled By			RADIAN	RACILAN	PADLAN	
Date Analyzed			08/05/88	08/02/88	07/16/88	
4			Sec	SEC	200	
Field Amlysis						
Lab Amelysis			<b>4</b>	907		
2-Hearnone	Ä	<b>9</b>	2	2	2	
4-Methyl-2-parcenne	¥	¥	2	2	2	
Styren	變	¥	2	2	2	
Total Meres	Ñ	Ħ	2	2	¥	
ALL UNITS ARE ug/1						
NV - Manitocing Wall			2	MAN - Redien	RADIAN = Radian Corporation, Secondario	NO = Nothing detected
17th or Printed Substantians	Amilian or		3		Animales Company	

MASTRA LOG OF MELLS SAFELED FOR U.S. DRA METERD 625 COPPOUNDS FOR OTHER OF PASS, ARCHOUNDER SAFETING, AND ANALYSIS FROTZAM, JULY THOUGH SEYTHMER 1988, MCJELAM AFB TABLE 1-59.

Percenter Lewel  Ground Water Zone  Date Sempled Sempled By Sempled By Lab Field Analysis Lab An	Primary 74-116 HG. HG. 91104 SSHQLG. 07/106/R R R R R R R R R R R R R R R R R R R R	SHALCH 07/06/88 RADIAN 07/12/98 SAC ND
lavel  later Zone  poled  By  layed		SHULCH 07 (06/88 RADIAN 07 (21/86 SAC ND ND ND ND ND ND ND ND ND ND ND ND ND
8 5 6 6 6 6 6 6 6 6 6		SWLCH 07/06/88 NO 1/21/88 SAC NO NO N
55 以 原 图 图 图 图 图 图 图 图		01/06/88 RADIAN 01/12/88 SAC N N N N N N N N N N N N N N N N N N N
81 SZ M M M M M M M M M M M M M M M M M M		NOT/21/98 SAC SAC NO NO NO NO NO NO NO NO NO NO NO NO NO
81 SI M M M M M M M M M M M M M M M M M M		54C 54C 84C 84C 84C 84C 84C 84C 84C 84C 84C 8
81 52 12 12 12 12 12 12 12 12 12 12 12 12 12		
22 22 25 25 25 25 25 25 25 25 25 25 25 2		2222222
22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
25 机阻塞阻阻阻阻阻阻		<b>2222222</b>
S		22222222
# # # # # # # # # # #		<b>오 오 오 오 오 오 오 오</b>
N N N N N N N N		<u> </u>
化化化化化		Q Q Q Q Q Q
<b>3358</b> 3		<u> </u>
医高高高		Q Q Q Q
高高高		2 2 2 :
E		99
<u>H</u>		2 :
		•
¥		2
Justine NE		2
Photographere NE 1		2
4-Chloropheryl phenylecher NE N		2
2		<b>.</b>
Wintersedinipropylamine NE	<b>Z</b>	2
alate NE		2
¥.		2
<b>W</b>		2
		2
¥		2
		2
		2
Bernso(a)pyrena NE N		2
Bergo(k) fluoranthens NE N		2
9		2
		2
(00)		2
Bis (2-chloroethosy)methers NE N		2
Hamshlordut adiene NE NE	2	2
diene NE		Q
ALL INITIS ARE us/1		
M. = Manitocine Mall		RADILAN = Radium Corporation, Sacramento NO = Nothing detected
		camento

ND = Nothing detected
NA. = Not emalyzed
LOQ = Limit of quentitation
NE = Not established

RADIAN = Radian Corporation, Sacramento SAC = Radian Analytical Services, Secramento

	9800	U.S.EPA		HELL NUMBER	ļ !
Parameter	Action	Primery Ap	Primary MF116 MC.		
Ground Water Zone			MOTIMES		
Date Sempled			07/06/88		
Sempled By			RADIAN		
Date Analyzed			07/21/98		
9			2		
Finld Amelysis Lab Amelysis					
Leghorore	星	12	Q		
Neptatelens	¥	¥	2		
Mitrobersene	¥	¥	Q		
Parametrizana	Ħ	<b>2</b>	£		
Dibergo (a,h)anthusome	¥	¥	9		
Indeno(1,2,3-od)pyrens	2	<b>2</b>	2 :		
Pyromes	벨	¥	2		
2,4,6-Trichlosopherol	¥	¥	2		
2-Chlosophanol	星	¥	2		
2,4-Dichilocophenoi	<b>2</b>	2	2		
2,4-Dimethylpherol	8		2 :		
2-Mttoophenol	劉		2		
4-Nitrophenol	¥	2	2		
2,4-Dintenghami	<b>W</b>	<b>y</b> !	2 !		
Pertachlosopherol	8	<b>2</b> !	€!		
Parol		2	<b>2</b> !		
H-rdt.roeodipherylandne	¥	¥	2:		
Berzidine	<b>Z</b>	<b>y</b>	≨ :		
4 Brenchlany, planyletter	<b>F</b> i	<b>y</b> !	<b>2</b> !		
51s(2-chlorolsopropyl)ether	ž!	ž.	2		
Bermo(g,h,i)perylene	<b>y</b> !	¥ !	<b>2</b> !		
Pluceane		2	2 :		
4-Chloro-3-methylpheniol		<b>2</b> !	<b>2</b> !		
4,6-Dinitro-2-methylpherol	¥	¥	2		
Antline	¥	¥	≨ :		
Beneyl alcohol	¥	¥	2		
2-Merity laboraria	¥	¥	2		
4 Mechylphenol	픮	띺	2		
Bermote acid	¥	¥	2		
4-Chlorownii ine	ij	¥	2		
2-Metly inspirate lene		¥	8		
2,4,5-Trichlosopherol	¥	¥	2		!
ALL UNITS ARE UR/1					
NA - Manisoeing Well			RADIAN = Radian Corporation, Secremento	TELECO	ND = Northing detected
			SAC = Redden Analytical Services. Secremento	s. Secremento	NA = Not analyzed

NO = Northing detected
NA = Not analyzed
NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

THRE 1-59. (continued)

MARR LIAN		
U.S.EPA Primary N4-116 MX.	SHALIGH 07/06/88 RADIAN 07/21/88 SAC	5555 5555
DOBS U		55855 55555
Parameter	Ground intent Zone Date Sempled Sempled By Date Arailyand Lab Field Arailyais	2-Mitmoniline 3-Mitmoniline Diberachinen 4-Mitmoniline Berach(5)fluxentiene

UNITS ARE ug/1 = Monitoring Unit

RATIAN = Redian Corporation, Secremento
SAC = Redian Aralytical Sarvices, Secremento NE = Not

TARE 1-60. INSTER LCG OF HELLS SHIFTED FOR PRIDCITY POLLITHME HELMS AND OTHER INCIDENCE CHECKING FOR OTHER OTHER SHIFTED AND ANALYSIS PROTACH, ALCHELMS SHIFTED AND ANALYSIS PROTACH.
JULY THOUTH SEPTEMBER 1988, HOLBELMS AND

	DORS		!		!	MELL NUMBER	28
Parameter	Action [am	Primary N4-230 M2.	Q; ₹	<b>100</b>	<b>102</b>	<b>11</b> -116	
Ground Water Zone			MEDILE	MIDIE	SHILON	SHWLLOW	
Date Sempled			07/12/88	07/19/88	07/12/88	98/90/10	
Sempled By Date Analyzed			RADIAN	RADITAN	RADIAN	PACIAN.	
4			SKC	SAC	S	35	
Pield Arelysis							
Lab Aralysis							
Art imay	¥	7	2	£	2	£	
Acsendo	¥	0.050	2	2	2	2	
Beryllium	¥	<b>¥</b>	2	£	2	2	
Cachadum	¥	0.010	2	2	2	2	
Checomitan	2	0.050	0.00	0.003	2	0.012	
Opposer	¥	¥	2	2	2	2	
3	¥	0.050	2	e	2	2	
Mercury	¥	0.002	2	2	2	2	
Wickel	¥	¥	0.0%	2	2	2	
Selentro	¥	0.010	2	2	2	2	
Silver	¥	0.050	9	2	2	2	
Relliam	¥	¥	2	₽	2	2	
Zinc	Ħ	<b>Y</b>	0.003	0.003	2	2	
Fluorene	9	및	2	2	2	2	
Calcin	¥	<b>2</b>	2	2	2	2	
Chloride	2	Э	2	2	2	2	
Carbonate	2	¥	2	2	2	2	
Loon	Ä	更	2	2	2	2	
Bicartonate	¥	¥	2	2	2	2	
Megnestian	¥	7	2	2	2	2	
Sodtum	Ä	Ä	2	2	2	2	
Sulfate	¥	<b>2</b>	2	2	2	2	
Bertum	Ä	1.0	2	2	2	2	
Merganase	Ħ	냋	2	2	2	2	
forel Alkelinity	¥	Ħ	2	2	2	2	
Mitrate	2	3	2	9	2	2	
Total Dissolved Solids	¥	¥	2	2	2	2	
ALL UNITS AND mg/1							
W = Menitoring Well			₹	MAN - Redien	RADIAN = Radian Corporation, Secremento	Secremento	ND = Nothing detected
			Ş	1 0000	A Laboratory	Contraction of the last of the	

ND = Nothing detected NE = Not established

RADIAN = Radian Corporation, Secremento SAC = Radian Analytical Services, Secremento

TARE 1-61. MISTER LCG OF WELLS SMPLED FOR U.S. ETA MEDID SMOOD COPPUING FOR OTHER CH-BASE AREAS, GRONOMORN SMPLING AND ANALYSIS PROTRIM, JLY TROUGH SEPTEMEN 1988, MCJELJAN AFB

Pacameter	DOBS Action Level	U.S.EPA Primary MZ.	367-FM	954 <del>-1</del> ₩	M-106	M-116	WIT NIVERS
Ground lebter Zone Date Sempled Sempled By Date Arelymed Lib Field Arelymia			SBALLCH 07/25/88 RADIAN 08/05/88 SAC LDA	SBALLON 07/25/88 RADIAN 08/05/88 SAC LJB	SEWICH 07/13/88 R/01/8/ 07/27/88 SAC	SHALICH 07/06/88 RNDZAN 07/13/88 SAC	
Total cymide Ammskie cymide	0.200	0.200	22	22	22	2 2	
ALL UNITS AME mg/l M4 = Minitoring Mall LDA = First laboratory deplicate analysis LDB = Second laboratory deplicate analysis	uplicate arai	lysis slysis	I Second	RAULAN = Radian Corporation, Secremento SAC = Radian Aralytical Services, Secremento	Appendent, inalytical Se	Secremento rvices, Secr	N) = Nothing detected

TABLE 1-62. MISTER LIG OF MELLS SAMELED FOR U.S. ERN MENDE 601 COMPOUNDS FOR THE NECTEASY AREA, GROUNDARDER SAMELING AND ANALYSIS FROGRAM, JULY THROUGH SEPTEMBER 1988, M-CLELLAN APB

	SHE	U.S. EPA		
Parameter	Act ion	Primary M.Z.	Primary M4-1012 MCL	12 M+1040
Ground Water Zare			SHALLON	
Date Sampled			07/26/88	
Sempled By			RADIAN	N RADIAN
Date Analyzed			03/22/88	
<b>qe</b> ]			38	
Field Aralysis Lab Aralysis				
Chloromethers	12	9	2	× 1
Bronconechara	¥	复	2	2
Virgi chloride	7	7	9	2
Oulocoarthera	¥	<b>2</b>	2	9
Mathylene chloride	3	2	2	2
Trichlorofivonmeters	3,00	2	2	2
1,1-Dichloroethers	9	7	2	2
1,1-Dichloroethans	ล	¥	2	2
Total 1,2-Dichlorosthene	91	¥	9	9
Chloroform	8	8	2	92
1,2-Dichlomethers	-	S	2	2
1,1,1-Trichlomethere	â	8	2	2
Carbon tetrachloride	٠,	٠,	2	2
<b>Incredichloromethere</b>	8	9	2	2
1,2-Dichloropropere	2	¥	2	9
Toms-1, 3-dichlocopropers	¥	¥	2	2
Trichiocoethene	٠	ş	2	2
<b>Dibromochloromychane</b>	8	8	2	2
1,1,2-Trichlomethene	8	Ħ	2	9
cis-1,3-Dichloropopers	83	¥	2	2
2-Orlecoethylvinyl ether	麗	<b>2</b>	2	9
Beromodoson	8	901	2	2
1,1,2,2-Tetrachiocoethene	¥	¥	5	2
Tetrachlomethene	4	¥	2	2
Chlorobenzens	æ	<u>1</u> 2	2	2
1,3-Dichlorobensers	130	¥	2	2
1,2-Dichlorobensens	130	¥	2	2
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	!	!	•

ND = Nothing detected IOQ = Limit of quantitation NE = Not established

RADIAN = Radian Corporation, Servamento SAC = Radian Analytical Services, Secremento

ALL UNITS APE ug/1 NV = Menitoring Well

TABLE 1-63. MASTER LICE OF WELLS SAMPLED FOR U.S. EPA METHOD 602 COMPOUNDS FOR THE UNDERSOT AREA, CACUNDALITIES SAMELING, AND ANALYSIS FROCKAM, JULY THROUGH SEPTEMERR 1988, MACELLAN APB

Parameter	DOBS Action Lovel	U.S.EPA Primary M.Z.	U.S.EA n Primary M4-1012 MCL	M4-1040	
Ground Mateer Zone Date Sempled			SHALICH 07/26/88	DESP 07/20/88	
Sampled By Date Amalyzed			RADIAN 07/27/88	RACIO.AN 07/22/88	
Lab Field Amlysis Lab Amlysis			ON:	315	
Chloroberserse	R	9	9	9	
1,3-Dichlorobergere	130	2	2	: <b>2</b> :	
1,2-Dichlorobergers	130	Ħ	2	2	
1,4-Dichlorobersers	(LOQ) 0.5 NE	5 元	2	2	
Ветинги	7.	v,	2	2	
Etty/berzene	<b>99</b>	¥	2	Q	
Tolume	81	Ä	2	2	
AL UNITS ARE ug/1 M - Minitoring Well	<u> </u> 		P. P	RADIAN = Radian Corporation, Secremento ND = Nothing detected SAC = Radian Analytical Services, Secremento IOQ = Lient of quention.  NE = Not established	

TABLE 1-64. MASTER LOS OF WELLS SAMPLED FOR PRODUCTY POLITIMAT MEMAS AND OTHER INDICANDS CAPICANDS FOR THE INTEREST AFEA, CROUNDANTER SAMPLING AND ANALYSIS FRORAM, JULY TROUCH SEPTEMER 1988, MCCELLAN AFB

	<b>SOS</b>	U.S.EPA			MANAN TIEN	8884
Parameter	Action	Primary M2.	Primary M4-1012 MCL	M+1012	M-1012	
Ground Water Zone			SHWLOW	MOTARS	SHALLOW	
Date Sumpled			07/26/88	07/26/88	07/26/88	
Sempled By			RADIAN	RADILAN	RADIAN	
Date Analyzed						
4			SK	S	8	
Field Amalysis			FQ.	80		
Lab Aralysis						
Art imany	¥	Ä	2	2	Q	
Acsenic	N.	0.030	2	2	9	
Beryllian	Ä	¥	2	2	2	
Carbritum	<b>9</b>	0.010	5	2	9	
Oromium	¥	0.050	2	2	2	
Oppper	Æ	<b>3</b>	2	2	2	
Lead	Ä	0.050	2	2	2	
Mercury	哥	0.002	2	2	2	
Nickel	¥	Ή	2	2	2	
Selentim	Ä	0.010	2	2	2	
Silver	¥	0.050	2	2	2	
Thellum	Ä	2	2	2	2	
Zinc	ij	¥	0.003	2	2	
Fluorene	¥	7	2	2	≨	
Calcium	¥	2	2	2	¥	
Chloride	ž	<b>2</b>	2	2	¥	
Carbanate	¥	2	2	2	≨	
Im	¥	¥	2	2	2	
Bicarbonate	Ä	2	2	2	≨.	
Magnesium	¥	¥	9	2	≨	
Sodium	2	2	2	2	£	
Sulfate	¥	9	2	2	£	
Bertum	<u>¥</u>	1.0	2	2	¥	
Marganese	¥	2	9	2	ž	
Total Alkalinity	2	<b>2</b>	2	2	≨	
Nitrate	2	3	2	2		
Total Dissolved Solids	2	¥	2	2	₹	
ALL UNITS ARE mg/1						
Mu = Manitoring Well			3	DIAN = Radian	RADIAN = Radian Corporation, Secramento	ND = Nothing detected
FIA = First field deplicate aralysis	the armitysis	_	8	S = Centralia	= Cermie Bwiromental Services	NA = Not erallyzed
FIB = Securd field deplicate analysis	ate analysi	9	<b>3</b> 5		- Radian Analytical Services, Secremento	

#### 2.0 EVALUATION OF INTERIM REMEDIAL MEASURES

Three interim remedial measures have been implemented by McClellan AFB as a result of the findings of the Groundwater Sampling and Analysis Program and other Remedial Investigation/Feasibility Studies activities. These remedial measures include providing municipal water hookups to approximately 500 residences to the west, north and south of the base, installation of a synthetic liner/cover, clay cap and an extraction system in Area D, and installation of a groundwater extraction system in Area C. The residences were connected to the municipal system in the spring of 1986. Pumping of Area D extraction system was begun in March 1987 and pumping of the Area C extraction system was begun on 29 August 1988. The effectiveness of the Area D extraction system is discussed below. The Area C extraction system will be evaluated in the next data summary (covering October through December) because the system was on-line for only two days prior to monthly water-level measurements.

### 2.1 Area D Extraction System

The Area D extraction system consists of six extraction wells, all screened between 40 to 160 feet below ground surface. The extraction wells are located in the area of a sludge/waste pit that has been excavated and capped. The wells are continuously pumped and collectively produce approximately 100 gallons per minute (gpm). The extracted water is then pumped via an above-ground pipeline to the Groundwater Treatment Plant where the water is treated to remove contaminants.

The purpose of the extraction system is to isolate and contain contaminants within Area D (McLaren Environmental Engineering, 1987). To accomplish this goal, McLaren recommended that the effectiveness of the extraction system be based on gradient controls between specific pairs of wells. The specified gradients were based on head differences of 0.2 feet between the well pairs. McLaren also recommended pumping at the minimum flow rate of 78 gpm which would result in a three foot drawdown in the monitoring

wells after one year of pumping. McLaren recommended the 78 gpm flow rate to minimize the decline of groundwater levels thereby prolonging the usefulness of the extraction system.

The effectiveness of the Area D extraction system is evaluated below based on McLaren's gradient criteria. Long-term changes in contaminant concentrations from several monitoring wells were also reviewed to examine the effect of the extraction system on water quality.

### Water-Level Data

The water-level data from July, August, and September for the McLaren-specified-well pairs were used to calculate head differences and gradients. Table 2-1 presents the well pairs and calculated head differences and gradients. As shown in the table, the extraction system is operating at a rate that meets that gradient criteria established by McLaren Engineers. The potentiometric surface maps of Area D (Plates 3, 5, 8, 10, 13, and 15) also illustrate the effects on the groundwater flow directions from pumping of the Area D extraction system. The maps show contours of equal head; groundwater flow is perpendicular to these contours in the direction of decreasing head values. In Area D, groundwater flow direction in both the shallow and middle monitoring zones is towards the extraction wells.

### Analytical Data

Analytical results were reviewed from shallow, middle and deep zone monitoring wells located both on base and off base. Time series plots for 13 of the monitoring wells were prepared using trichloroethene (TCE) data. TCE was used as an indicator compound because it is the most widely detected compound in the McClellan AFB groundwater monitoring network. TCE data were plotted for wells with sampling history of at least three points. Included in each time series plot are "error bars" of  $\pm$  30 percent for each data point. The error bars represent the sampling variability calculated for each reported concentration and are based on statistical analysis discussed in the Semi-annual Informal Report (Radian, 1988). The sampling variability is attributed

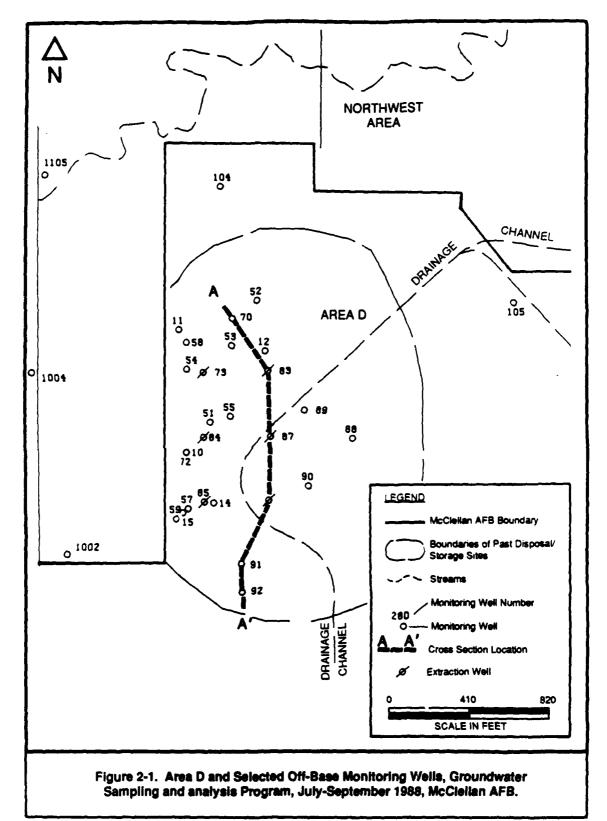
TABLE 2-1. MONTHLY HEAD DIFFERENCES AND GRADIENTS OF SELECTED WELLS IN AREA D Groundwater Sampling and Analysis Plan, July Through September 1988 McClellan afb

		06/30/88	.88	08/01/88	(88	09/01/88	88/
Well Pair	Monitoring Zone	Mead Differences (ft)	Gradient (ft/ft)	Head Differences (ft)	Gradient (ft/ft)	Head Differences (ft)	Gradient (ft/ft)
MW-53 & MW-70	Middle	0.69	0.006	# # # # # # # # # # # # # # # # # # #	2	3	)   
MV-54 & MV-76	Middle	1.29	0.009	1.61	0.001	1.60	0.011
MU-72 & MU-74	Hiddle	0.68	0.005	0.33	0.005	0.37	0.003
MN-88 & MN-89	Shallow	0.61	0.002	0.70	0.002	0.87	0.003
M-88 & M-90	Shallow	0.91	0.003	1.0	0.004	1.18	0.004
MU-91 & MU-92	Shallow	0.33	0.002	0.32	0.002	0.33	0.002

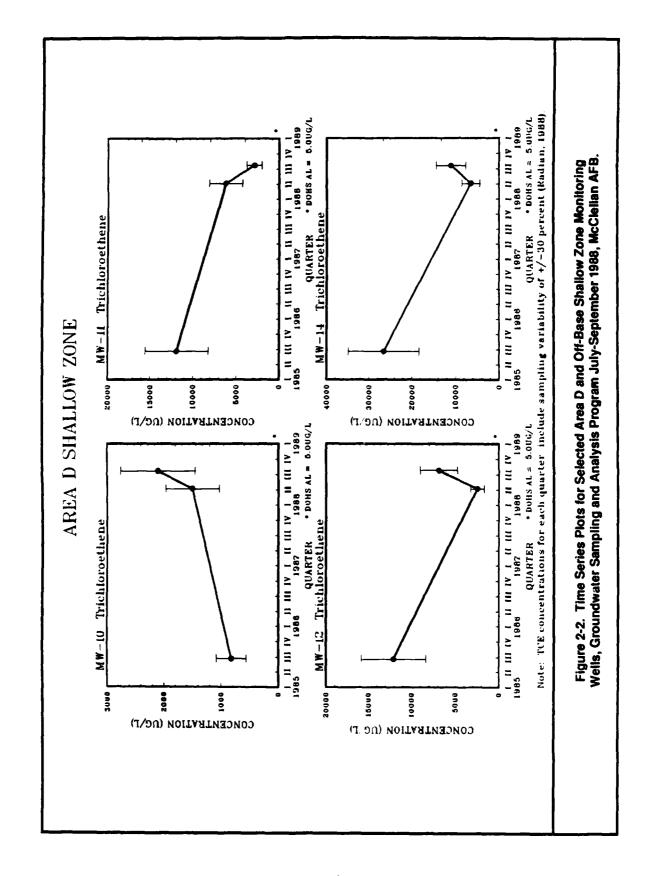
NM = Not measured. NC = Not calculated.

to both laboratory and field procedures and will be re-evaluated using additional QA/QC data in the next interpretative report. For the purpose of qualitatively evaluating the effectiveness of the extraction system, the long term changes in TCE concentrations were reviewed for selected monitoring wells. A decreasing trend in concentrations would be expected in monitoring wells the greatest radial distance from the extraction wells but still within the influence of the wells. The monitoring wells close to the extraction wells are expected to show greater TCE concentrations over a longer period of time because they are near the contaminant sources and are also near extraction wells that are drawing contaminated groundwater towards the wells. The time series plots for the 13 monitoring wells are evaluated below.

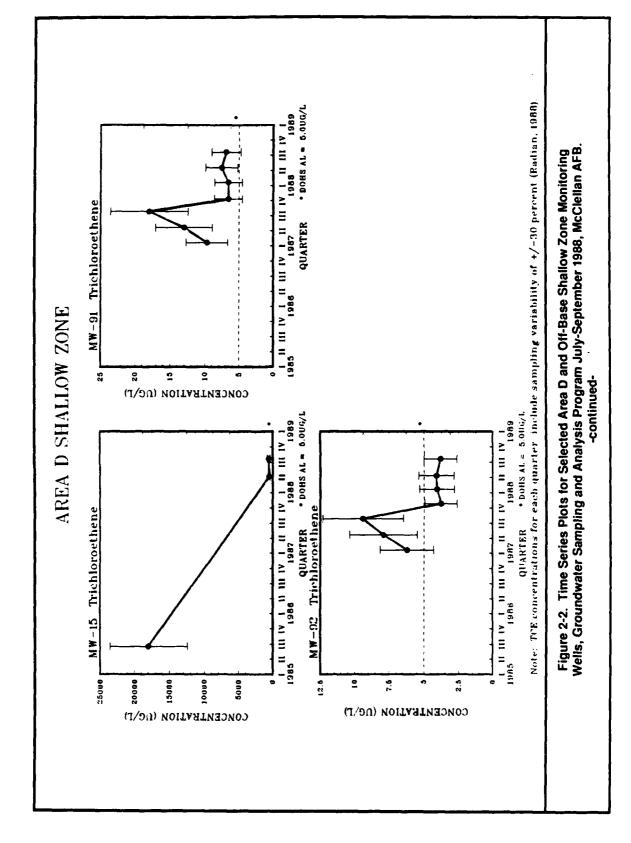
There are seven shallow zone monitoring wells located in Area D and three shallow zone monitoring wells located approximately 500 feet west of Area D with a sampling history considered adequate for the time series review. The on-base monitoring wells are MW-10, MW-11, MW-12, MW-14, MW-15, MW-91, and MW-92, and the off-base wells are MW-1002, MW-1004, and MW-1005. The locations of these wells are shown in Figure 2-1. The time series plots for MW-10, MW-11, MW-12, MW-14, and MW-15 (Figure 2-2) are based on three sampling events, two in 1988 and one sampling event in 1985. The time/series plots for these wells except MW-10 indicate TCE concentrations during the past two sampling events are lower than in 1985. TCE concentrations in MW-10 appear to be increasing since 1985. In addition, TCE concentrations in MW-12 and MW-14 may also show an increase during this sampling period. The time series plots for MW-91 and MW-92 indicate increasing concentrations until Third Quarter 1987 after TCE concentrations have leveled off. MW-91 and MW-92, as shown in Figure 2-1 are located to the south of the extraction system well field. The time series plots for the three off-base monitoring wells, MW-1002, MW-1004, and MW-1005 show a long-term decrease in TCE concentrations that have leveled off since the Fourth Quarter 1987. Overall, the time series plots for the shallow zone monitoring wells located outside the well field show a decreasing trend that has leveled off in recent sampling events. The trends for the shallow zone monitoring wells are not readily apparent based on only three data points. High concentrations of TCE may continue to be detected in these

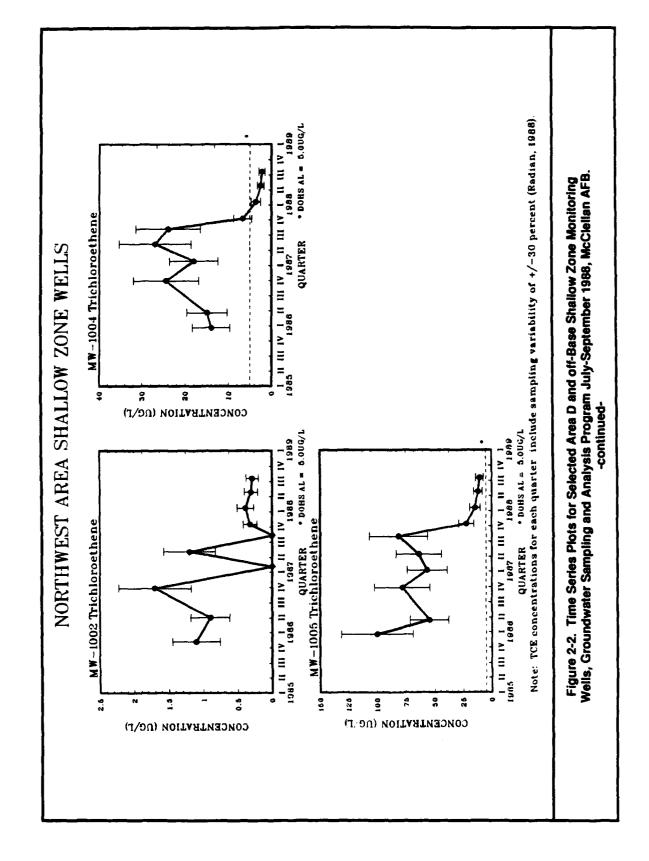


1088-055-1



2-6



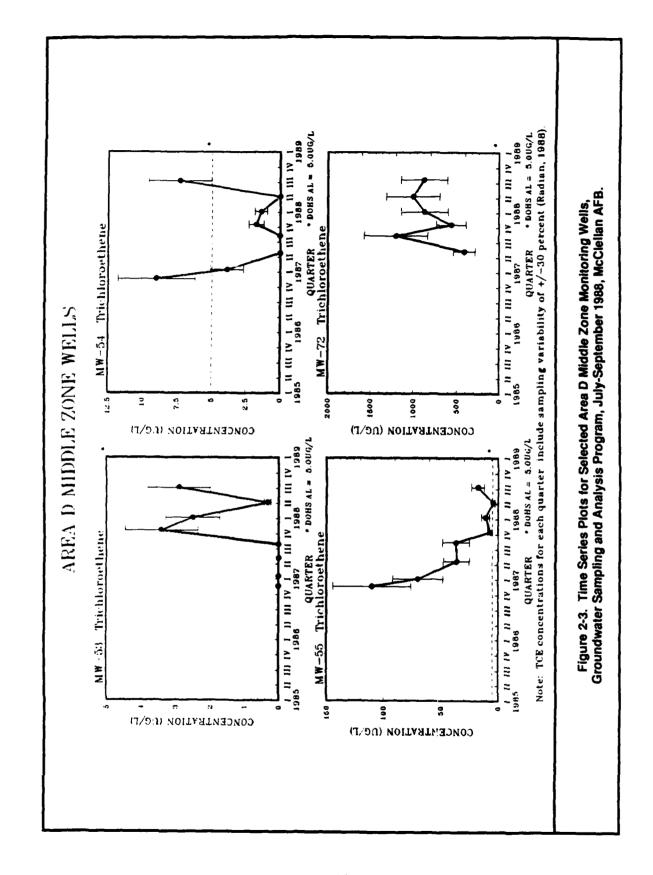


wells because they are located near extraction wells that are drawing contaminated water towards them.

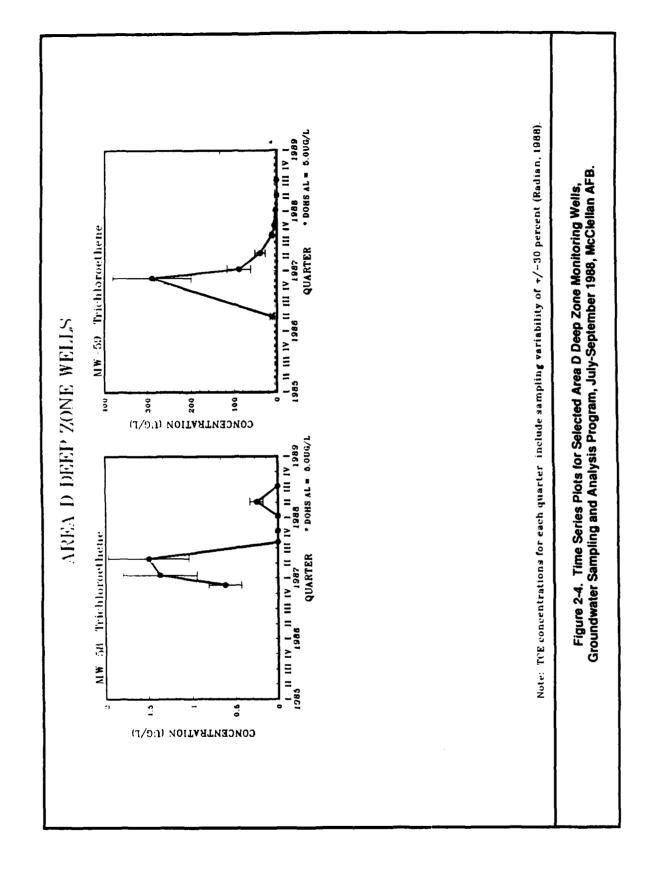
There are four middle zone monitoring wells in Area D with an adequate sampling history for time series plots as shown in Figure 2-3. These wells, located near the extraction wells (Figure 2-1) are MW-53, MW-54, MW-55, and MW-72. The time series plots for MW-53, MW-54, and MW-55 all show a decreasing trend except in this sampling period. These three monitoring wells are located closer to EW-73, the extraction well with the highest contaminant concentrations. The time series plot for MW-72, located near EW-84, shows a long-term steady TCE concentration pattern over the past four sampling periods.

Two deep zone monitoring wells in Area D have adequate sampling points for plotting TCE concentrations over time. These wells, MW-58 and MW-59, are located northwest of EW-73 and southwest of EW-85, respectively (Figure 2-1). The time series plots are shown in Figure 2-4. Samples from MW-58 have typically contained low levels of TCE or TCE was not detected. An apparent trend cannot be discerned for this well. The time series plot for MW-59 shows a concentration peak during the Fourth Quarter 1986 sampling, and then a decrease in concentration during the past six sampling events. The TCE concentration trends for both wells suggest that contaminant movement in the deep zone is affected by the extraction well pumping of the shallow and middle monitoring zones as uncontaminated water flows toward the extraction wells diluting contaminant concentrations.

In summary, there is no single trend apparent in the TCE concentrations for the monitoring wells. The shallow zone monitoring wells located outside the extraction well-field have shown a decrease followed by recent leveling off of TCE concentrations. Trends for the shallow zone wells located near the extraction wells are not readily apparent because there are only three data points for three years. Three of the four middle zone monitoring wells show a decreasing trend except during this last sampling period. Several shallow and middle zone monitoring wells, MW-10, MW-12, MW-14, MW-53,



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MW-54, and MW-55, show an increase in TCE concentration during this sampling period. Higher concentrations may occur during the third quarter of each year, but there is not enough quarterly data for these wells to determine if this is a seasonal trend. The two deep zone monitoring wells have both shown decreasing trends and during the last sampling period, TCE was not detected in samples from either well. Overall, if TCE concentrations in monitoring wells located outside the extraction well field continue to show a decreasing trend, then the extraction system based on water quality data would be effectively removing contaminants.

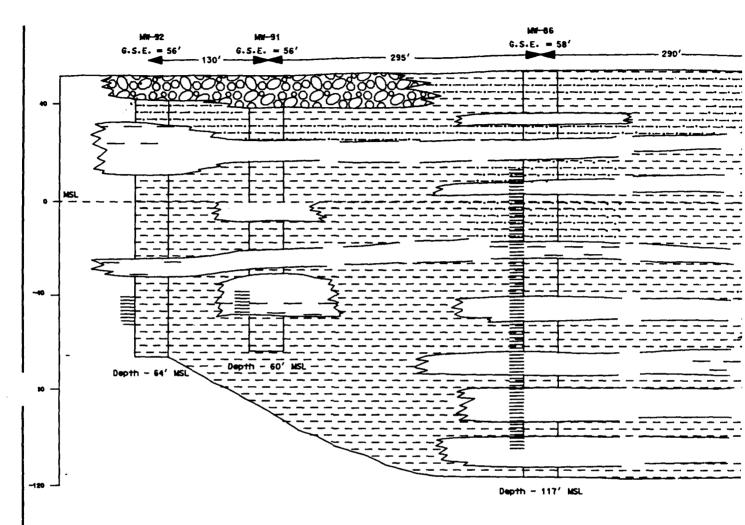
#### Cross Sections

In addition to the water level data and time series plots, a cross section for Area D (Figure 2-5) was also prepared. The wells that were used to develop the cross section are MW-92, MW-91, EW-85, EW-84, MW-55, EW-73, and MW-53, as shown on the location map (Figure 2-1). The cross section was based on geophysical information from McLaren Environmental Engineering (1987). The cross section also includes the location and screen interval of monitoring and extraction wells and the TCE concentration detected in the wells during this sample period. As shown in Figure 2-5, and in the time series plots TCE was detected only in the shallow and middle monitoring zones, and TCE concentrations are higher in monitoring wells closer to the extraction wells during this sampling period.

### Conclusions

The Area D extraction system was evaluated based on hydraulic gradients between monitoring wells and by long term trends in contaminants, as detected in shallow, middle and deep monitoring zones. The Area D extraction system is being operated effectively based on hydraulic gradients recommended for specific pairs of monitoring wells. The water quality data from shallow monitoring zone wells outside of the well field does indicate that contaminant concentrations are decreasing or have stabilized since the extraction system began operating.

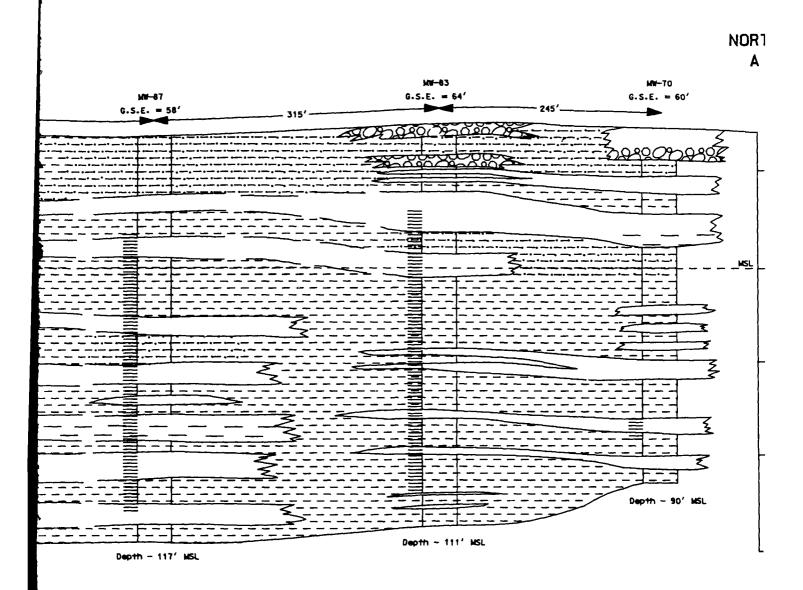
SOUTH A'



LEGEND:			
EW	Extraction Well		Sand
MW	Monitoring Well	2003	Gravelly Sand
G.S.E.	Ground Surface Elevation		Sility Sand
	Mean Sea Level (MSL)		Silty Clay
	Soreened Interval		Clay
	ogles taken primarily from re	eletivity	loge.

SCALE:

Harizantal Societ 1" = 100' Vertical Societ 1" = 40'



TCE Concentrations (for July 1988)

EW-87 51 ppb

MW-92 3.8 ppb

MW-91 6.9 ppb

EW-86 77 ppb

EW-83 140 ppb

MW-70 ND

ND = Not Detected

Figure 2-5.

Area D Cross Section (A-A')

Groundwater Sampling & Anlysis Pr
July-September 1988

McClellan AFB

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### 3.0 RECOMMENDATIONS

Recommendations based on field results and analytical data acquired through the sampling period of July through September 1988 are presented in the following sections. Section 3.1 presents recommendations based on this sampling period analytical data and data obtained previously. Section 3.2 presents the status of the recommendations given in previous quarterly reports.

### 3.1 <u>July Through September 1988 Recommendations</u>

(1) Recommendation: Remove MW-19S, MW-20S, MW-22S, MW-34S, and MW-45S from the McClellan AFB Groundwater Monitoring Well Network.

Rationale: These monitoring wells are dry or do not contain enough water for water quality sampling, and have not been sampled for the past year. These wells are secured with a casing that is locked and do not need to be destroyed at this time. Water levels have been declining at a rate of about two feet per year in the McClellan AFB area and are unlikely to rebound to previous levels at which the five wells could be sampled.

### 3.2 <u>Status of Recommendations From Previous Quarterly Reports</u>

The following is a brief status of the recommendations made in previous quarterly reports.

(1) Recommendation: Redevelop and install dedicated sampling systems in five wells that are currently purged by bailing. Well Wizard® bladder pumps are recommended for network

monitoring wells MW-10, MW-11, MW-12, MW-14, and MW-15 located in Area D.

Status: This recommendation has been re-evaluated based on estimated water level changes and costs of dedicated systems. Water levels in these Area D wells have dropped an average of 4.5 feet since October 1987. Based on a continued decline at the same rate, and considering the costs of buying and installing the dedicated systems, it is more cost effective to continue bailing the wells by hand each quarter that the wells are sampled.

(2) Recommendation: Install dedicated systems in five monitoring wells that are currently purged using a portable submersible pump. A Well Wizard® system with purge and bladder pumps is recommended for MW-17D, MW-27D, MW-28D, and MW-19D, if sampling of this non-network well is to continue. A dedicated submersible pump retrofitted with Teflon® and stainless steel and a bladder pump is recommended for MW-68.

Status: Well Wizard® systems with purge and bladder pumps have been installed in MW-17D, MW-27D, and MW-28D. Installation of these systems were included in D.O. 0003, Mod. 02.

(3) Recommendation: Investigate the integrity of the well casing and annulus of MW-31S.

**Status:** The well casing is damaged. Water quality samples will no longer be collected from this well. However, water levels will continue to be measured.

(4) Recommendation: Change analytical methodologies to those prescribed in SW 846 "Test Methods for Evaluating Solid Wastes," Third Edition, beginning in the Fourth Quarter 1988.

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Status: This recommendation will be implemented beginning in the sampling period of October through December 1988.

(5) Recommendation: Install a monitoring well in the deep monitoring zone at monitoring well cluster 1021/1022 in the Southwest Area.

Status: This recommendation will be initiated within the HGA during 1989. The RI/FS Management Plan provides details concerning the scope and timing of the HGA.

(6) Recommendation: Install two clusters of monitoring wells on the east side of McClellan AFB.

Status: This recommendation will be initiated within the HGA during 1989. The RI/FS Management Plan provides details concerning the scope and timing of the HGA work.

(7) Recommendation: Conduct a phased investigation in the West Area to evaluate possible vadose zone contamination along the old and new course of Magpie Creek, and identify the extent of groundwater contamination in the shallow monitoring zone in the vicinity of Santa Ana Street.

Status: This recommendation will be initiated with the Pathways Assessment Study. The RI/FS Management Plan provides details concerning the scope and timing of the Pathways Assessment.

(8) Recommendation: As a result of continued presence of halocarbon contamination in shallow zone monitoring wells MW-1019 and MW-1029, up to three shallow zone monitoring wells should be installed in the Northwest Area.

Status: At this point in time, Radian and the USAF have agreed that there is no immediate need for additional monitoring wells in this area. Should data collected in the future indicate otherwise, Radian and the USAF will reevaluate this recommendation.

(9) Recommendation: Install a deep zone monitoring well in Area A next to middle zone monitoring well MW-27D.

Status: This recommendation is under consideration by the USAF.

(10) Recommendation: Analyze samples collected from all newly installed monitoring wells and wells not previously sampled by Radian by U.S. EPA Methods 601, 602, 604, 624, 625, 200.7 and SW-9010 and evaluate the results to determine target analytes for future sampling events.

Status: SW 846 methodology will be used in future sampling events.

(11) Recommendation: Discontinue analyses of groundwater samples by U.S. EPA Method 604.

Status: This recommendation has been implemented.

(12) Recommendation: Limit the quarterly sampling of wells for priority pollutant metals to wells that have contained elevated concentrations of total dissolved chromium and lead. Change the sample collection procedure for wells that have contained elevated levels of chromium in order to speciate the chromium and determine if hexavalent chromium, a significant health risk, is present using Standard Method 312B.

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Status: This recommendation has been implemented. The methodology used to detect hexavalent chromium has been changed to SW-7196.

### REFERENCES

- Keith, L.H., et al. "Principles of Environmental Analysis," Anal. Chem., 1983, 55, 2210-2218.
- McLaren Environmental Engineering, March 1987. "Area D Monitoring/Extraction System Technical Report No. 4 and Monitoring Plan and Operation and Maintenance Manual." McClellan AFB, Sacramento, CA, 1987.
- Radian Corporation, September 1988a. "Quarterly Sampling and Analysis Program, Second Quarter 1988, Volume I, McClellan AFB, Sacramento, CA.
- Radian Corporation, September 1988b. "Semiannual Informal Technical Report, RI/FS Stage 3," McClellan AFB, Sacramento, CA.



APPENDIX

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ANALYTICAL RESULTS FOR NETWORK MONITORING WELLS IN WHICH CONCENTRATIONS OF ANALYTES HAVE EXCEEDED STATE AND FEDERAL DRINKING WATER STANDARDS FROM 1985 TO SEPTEMBER 1988, GROUNDWATER SAMPLING AND ANALYSIS PROCRAM, MCCLELLAN AFB APPENDIX.

	2	C.O. DEP	Round 1	World A	1				ora der.	ten ver.	דשנ לנני.	ביות לרני	
Well	Act lon	Primary	1985	1985	1986	1986	1987	1987	1987	1987	1988	1988	1988
Kumber	Level	<b>M</b> CI	6/85	11-12/85	2-4/86	9-12/86	1-3/87	4-6/87	7-9/87	9-12/87	1-3/88	4-6/88	7-9/88
Vinvl chloride by U.S.	ί.	EPA Method 601		; 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1	 	1 1 1 1 1 1 1	, , , , , , , , , , , , , , , , , , , ,	 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1
MH-10				SX	S	NS	WS	SN	SN	SX	SX	2007	3600
MW-11	1 ~		2	SK	N.S.	N.S.	SX	NS	NS	SN	S	130	Q
M4-33S	١٨	-	Q <b>X</b>	N.S.	N.S.	2.9NC	15DL	11DL	5.1DL	Q	£	£	£
M4-38D	. ~	-	2230	NS	SN	NS	SX.	X.	NS	NS.	X.	NS	X
₩-24		. <del>, ,</del>	NS	N.	N.S.	1200C	1224C	190C	170	<b>700</b>	5.00	Q	2.90
MW-72	~	-	NS	NS	NS	NS	NS	410	æ	QN	Q.	Q.	æ
Methylene chioride by U.S. EPA Me	e by U.S.	EPA Methox	1 601										
M-10	40	NE	55.3	NS	NS	NS	SN.	NS	X	SE	NS	0.60	ð
<b>E</b> -11	04	N	3140		NS	NS	S N	NS	SX	NS	NS	260C	ð
M4-14	04	3	11400	_	S.W.	NS	NS	NS	N.S.	SX.	SE	130	£
MV-15	0.4	N	1790		S	N.	NS	SK	NS	WS	SN	0.70	2
M4-29D	04	N.	N.	_	270	2	Ş	2	2	Q	Q¥	Q	Ž
36S-186S	04	ZE	QX	SK	12	86080	Ş	2	2.20	Q	Ę	£	Q.
MH-55	0,4	NE	NS	NS	NS	320C	Š	QN	Q	Q	Ş	Q	QN
MI-59	04	NE	SN	NS	Ş	520C	Ş	Q.	0.870	Q.	Ş	Ş	QX
MW-103	0*	NE	SES	390	QN	æ	Q	Q.	QX	Q	ě	Q	QN
MW-104	04	NE	NS	Q.	870	욡	£	QN	QN	QX	Q	2	Q
MM-105	04	NE	NS	220	420	£	£	Q.	Q	QX	QN	£	Q.
MM-112	0,4	N	NS	260	12	ş	ē	9	1.40	Q	Q	Q	Š
MM-115	04	X	NS	680	Q	æ	Q	Q.	2	CN.	Q	ē	Q
MM-1001	40	NE	NS	310	18	£	2	Æ		QN QN	Q	S.	Q
MW-1005	0,7	NE	S <b>X</b>	<u>Q</u>	ð	72BC	4.4C	0.420		욮	Q	Q	<b>Q</b>
MW-1013	0,	KE	NS.	2	Q	230C	£	Q.	æ	æ	QX	£	2
MM-1019	0,4	NE	NS	13	3.0	510C	Ę	Q	Q	Q.	Q	Q	Q.
,1-Dichloroethene by U.S.	a by U.S.	EPA M	sthod 601										
MW-10	vo.	7	1500	N.S	NS	NS	SX	NS	N.S	NS	SN	910C	
<b>FA-11</b>	9	7	64300	NS	N.S	NS	NS	N.S	NS	NS	NS	17000C	
MW-12	•	7	25500	N.S	N.	NS	NS	MS	NS	NS	SR	3400C	
MW-14	9	7	22600	NS	S.	SW	SN	NS	NS	NS	NS	\$700C	13000P
MW-15	9	7	16500	NS	NS	NS	S	NS	SX	NS	NS.	<b>8</b> 3C	
MW-22D	9	7	297	NS	N.S	£	£	œ	2	æ	웆	2	
MW-28D	9	7	6.5	NS	NS	X.	NS	ě	오	Ş	2	Q	
MM-38D	9	7	11500	NS	NS	NS	N.S.	NS	SN	NS	NS	X.S	
S47-PW	9	7	NS	SX	QN	0.550	£	2	8 . SC	3.3 C	3.30	2.8PC	
MW-53	9	7	NS	NS	SN	æ	£	Q	2.10	130	11PC	2.5PC	
MM-54	9	7	NS	N.S	N.S	430C	171C	22C	110	22C	8.5PC	0.36PC	
MW-55	9	7	NS	NS	NS	210C	160C	310C	130C	24C	330	13PC	
MW-57	9	7	NS	NS	SX	2.30	130	QK QK	1.60	1.20	3.60	0.31PC	
MA-59	•	7	NS	NS	11	270C	266	20C	190	150	3.1PC	0.53PC	
MH-72	9	7	NS	NS	NS	NS	NS	550C	1900C	520C	930PC	800PC	
MH-74	9	7	NS	NS	NS	NS	NS	NS	NS	NS	SN	12C	

L = Diluted out of the confirmation run
C = Result was not confirmed in second column analysis
D = Nothing detected
A = Not reported
A = Not analyzed
C = Compound detected in laboratory blank - not edited
or well was not sampled for a particular analyte.

B N N O C C

All Units are ug/l

MM = Monitoring Well

NO = Limit of quantitation

ND = Limit of quantitation

ND = Not established

P or PC = Identity previously confirmed

NA P or PC = Analysis confirmed in second column analysis

NA = Well not part of the sampling program at the time of sampling, '

	Dickliorocethere by U. S. EPA Method 601			30,7	0061	0070
1.1   1.2	Dichiloroethere by U.S. EPA Method 601  1991  1904  6 7 NS			1-3/00	90/0-+	29/6-/
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	No.					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1.2   1.2   1.2   1.3   1.5			1.30	0.65PC	1.20
1,000,   6   7   185	Name	G		2.9PC	2.7PC	3.4P
1,000,   6   7   185   120   399   1100   620   1400   2	1004   6   7   NS   120   59   110    -101015   6   7   NS   160   99   110    -101015   20   NE   3560   NS   NS   NS   NS   NS   NS   NS   N			£	6.5PC	£
1.10   1.00	1100   1100			23PC	16PC	120
10	Dichloroethane by U.S. EPA Method 601  10			58PC	38PC	40b
1.10   2.0   NE   118   NS   NS   NS   NS   NS   NS   NS   N	National N					
1.1   2.0   NE   1.560   NE   NE   NE   NE   NE   NE   NE   N	National Property   Nati		SN.	SNS	230C	180C
1.1	#12 20 NE ND NS		SE	SZ	\$20C	2
1, 2, 20, 167   1, 10   1, 1	# 14		SN	7	200	9
1.2   2.0   1.5   1.7   1.5	# 15		C M	2 2	767	2 5
1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1.50	-	2 5	2 2	2 6	2 1
1.00   1.00	1-335 20 NE ND NS	_		2	240	NO.
1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	### 138D		_	2	Ę	7077
100   100	1409   1409			X.	SN	SN
1,12-Ditchioroethane by U.S. EPA Method 601   N.S.   N.S	Name			2.80	0.39PC	7.6C
1.1.2-Dichicrocathera by U.S. EPA Medio 601   15 26C   12C   21C   21C   2.2PC   2.2	#1.2—Dichloroethene by U.S. EPA Method 601 #1.12—Dichloroethene by U.S. EPA Method 601 #1.13—BB			96PC	SOPC	56P
1,2-Ditchiorocation by U.S. EPA Method 601	11,2-Dichloroethene by U.S. EPA Method 601  16 NE ND NS		-	5.2PC	2.2PC	8.4P
1.0   1.6   NE   ND   NS   NS   NS   NS   NS   NS   NS	National					
11   16   18   18   18   18   18   18	NE   NE   NE   NE   NE   NE   NE   NE	_	NS	SW	12C	460C
14   16   NE   ND   NS   NS   NS   NS   NS   NS   NS			WS	SN	510	Ş
16 NE NE ND NS	HE         ND         NS         NS         NS           4-335         16         NE         ND         NS         NS         NS           4-345         16         NE         7020         NS         NS         NS           4-345         16         NE         ND         NS         ND         ND           4-54         16         NE         NS         NS         ND         ND           4-55         16         NE         NS         NS         NS         ND           4-72         16         NE         NS         NS         NS         NS           4-72         16         NE         NS         NS         NS         NS           4-72         16         NE         NS         NS         NS         NS         NS           4-120         16         NE         NS	_	NS	NS	27C	2
15   16   18   18   18   18   18   18   18	## 413   16   NE   ND   NS   NS   NS   NS    ## 415   16   NE   ND   NS   NS   NS    ## 415   16   NE   ND   NS   NS   ND    ## 415   16   NE   NS   NS   ND    ## 425   16   NE   NS   NS   NS    ## 75   16   NE   NS   NS   NS   NS    ## 75   17   16   NE   NS   NS   NS   NS    ## 75   17   16   NE   NS   NS   NS   NS    ## 75   17   16   NE   NS   NS   NS   NS    ## 75   17   18   NS   NS   NS   NS    ## 75   17   NS   NS   NS   NS    ## 75   17   NS   NS   NS    ## 75   17   NS   NS   NS    ## 75   NS   NS   NS    ## 75   NS   NS   NS    ## 75   NS    ## 75   NS   NS    ## 75   NS			160	28PC	3.6.10
16   NE   7020   NS   NS   NS   NS   NS   NS   NS   N	#-418			470C	460C	5400
15   15   15   15   15   15   15   15	## 15   6   NE   ND   NS   ND   ND    ## 15   16   NE   NS   NS   ND   ND    ## 16   NE   NS   NS   ND   ND    ## 172   16   NE   NS   NS   NS    ## 173   16   NE   NS   NS   NS    ## 174   NE   NS   NS   NS   NS    ## 175   16   NE   NS   NS   NS    ## 175   176   NE   NS   NS   NS    ## 175   175   NS   NS   NS    ## ## 175   NS   NS   NS    ## ## ## ## ## ## 115   NS   NS   NS    ## ## ## ## ## ## ## ## ## ## ## ## ##			W.	N.S.	N.
16	4-54 16 NE NS NS NS ND			170	22PC	25P
16   NE   NS   NS   NS   NS   NS   NS   NS	1-55   16   NE   NS   NS   NS   NS   NS   NS   NS			0.780	2	7.00
16   NE   NS   NS   NS   NS   NS   NS   NS	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			120	7.4PC	28P
12	4-72         16         NE         NS         19         NS         6.8         NS         6.8         NS         6.8         6.8         NS         19         6.8         NS         19         6.8         NS         NS         NS         NS         19			430	33PC	469
120   16   NE   NS   NS   NS   NS   NS   NS   NS	4-76 16 NE NS			266	48PC	808
128	## Paragraph   1			NS	28C	140
191   16   NE   NS   NS   NS   19DL   ND   ND   400DL   ND   ND   24PC   24PC	4-128 16 NE NS NS NS 19D 4-131 16 NE NS NS NS 19D 4-132 16 NE NS NS NS 6.8 4-139 16 NE NS			100	17PC	110
132   16   NE   NS   NS   NS   NS   NS   NS   NS	4-131 16 NE NS NS NS 6.8  4-132 16 NE NS NS NS 19  4-139 16 NE NS NS NS 19  4-140 16 NE NS			æ	530C	340C
139   16   NE   NS   NS   NS   NS   NS   NS   NS	4-139 16 NE NS NS NS 19 4-139 16 NE NS NS NS NS 19 4-140 16 NE NS			14C	24PC	21C
140   16   NE   NS   NS   NS   NS   NS   NS   NS	4-139 16 NE NS 4-140  1-140 16 NE NS			330	22C	399
140   16   NE	### Paragraph   16   NE   NS   NS   NS   NS   NS   NS   NS			24C	16PC	24C
141   16   NE	4-141 16 NE NS NS NS NS NS NS NS NS NS 14-141		NS	21C	14PC	18P
1000   16   NE   NS   ND   ND   ND   9.4   29C   16C   14C   5.1C   2.5PC   16C   14C   5.1C   16C   14C   16C   14C   16C   14C   16C   14C   14C   16C   14C    4-1000 16 NE NS ND ND 0.2  4-1005 16 NE NS 43 ND ND 0.2  16 NE NS 43 ND		SN	41C	60PC	58C	
1005 16 NE NS 43 ND ND 9.4 29C 16C 14C 5.1C 2.5PC coform by U.S. EPA Method 601  1.4 100 2320 NS NS NS NS NS NS NS 12C	### Particular   16   NE   NS   43   ND   ND   ### Particular   100   2320   NS   NS   NS   NS   ### Particular   100   2320   NS   NS   NS   ### Particular   100   2320   NS   NS   NS   ### Particular   100   100   NS   NS   NS   #### Particular   100   NS   NS   NS   NS   ####################################		Q	Q	QN	0.16
14	### Proform by U.S. EPA Method 601  10-14  100  100  100  100  100  100			5.10	2.5PC	4. 8P
14	### 100 100 2320 NS NS NS NS NS NS NS Dichloroethane by U.S. EPA Method 601 NS NS NS NS NS NS 11 S ND NS					
10   1   5   5   ND	-Dichloroethane by U.S. EPA Method 601 1 5 94.7 NS NS NS 4-11 1 5 ND NS NS NS Units are ug/l		NS	NS	12C	£
10   1   5   94.7   NS   NS   NS   NS   NS   NS   NS   N	## Particular   1 5 94.7 NS					
In 1 5 ND NS NS NS NS NS NS NS S S NS NS S S NS N	1 5 ND NS NS NS NS UNITS are ug/l DL = Monitoring Well NC = NC		SN	NS	390C	410C
Inits are ug.// Inits are ug.// Monttoring Well NG = Not established NR = PC = Identity previously confirmed NA = NA	Units are ug/l DL = Vnits are ug/l NC = Noitoring Well		NS	N.S	86C	Q
Inits are ug/l	Units are ug/l DL = NL = Monitoring Well NC =					
Prontcoring well  Limit of quantitation  Not established  PC = Identity previously confirmed  NA =	# Montroking Well	the confirmation	n run			
Limit or quantitation  Not established  PC = Identity previously confirmed  NA =		continued in sec	cond columns.	815 KT B13		
PC = Identity previously confirmed NA =	# LAMANC OR quantitation NP = 100 =	•				
- uneuticy previously confirmed	Table 1 - Control of the Control of					
	re = identity previously confirmed					

And the second

APPENDIX. (continued)

The continue by U.S. Et Method 601														•
## We third foll    19	Number	Action Level	Primary MCL	1985 6/85	1985 11-12/85	1986 2-4/86	1986 9-12/86	1987 1-3/87	1987 4-6/87	1987	1987 9-12/87	1988 1-3/88	1988 4-6/88	1988 7-9/88
9         1790         HS	.2-Dichloroethan		EPA Metho	d 601										
9         ND         NS         NS </td <td>MW-14</td> <td></td> <td>•</td> <td>2790</td> <td>NS</td> <td>SN</td> <td>NS</td> <td>SN</td> <td>NS</td> <td>SN</td> <td>S</td> <td>SN</td> <td>360</td> <td>2</td>	MW-14		•	2790	NS	SN	NS	SN	NS	SN	S	SN	360	2
5         ND         NS         NS </td <td>MW-15</td> <td>+</td> <td>٧,</td> <td>CN</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>SK</td> <td>WS.</td> <td>NS.</td> <td>SN</td> <td>SN</td> <td>9. 9C</td> <td></td>	MW-15	+	٧,	CN	NS	NS	NS	SK	WS.	NS.	SN	SN	9. 9C	
5         ND         NS         NS         C2C         68C         ND         1,40DL         ND         ND           5         ND         NS	MW-27D	7	s	ð	NS	SX	SN	MS	Q	Q	0.74C	0.410	0.98PC	•
5         300         NS         NS<	M4-33S		ĸ	Q	NS	NS	62C	88C	Q.	140DL	Q	Q	7004	530C
5         ND         ND         ND         ND         ND         O-30L         1.90L         ND         2.1C         ND           5         NS         NS         NS         NS         1.4C         ND         0.23C         1.1C         ND           5         NS	MM-38D	-	'n	300	NS	N.S	NS	NS	NS	NS	N.S.	NS	NS	
5         NS         NS         19DL         14C         ND         0.23C         1.2C         0.17C           5         NS         NS         NS         19DL         1.9         0.93DL         1.0C         1.0C           5         NS         NS         NS         NS         NS         NS         NS         NS           5         NS	MW-41S	-	٠,	2	NS	QN	Q	£	1066 ·	æ	2.10	2	2	2
5         NS         NS         2.991         2.9         0.930         ND         0.95C         1.1C           5         NS	MI-54		٠	NS	MS	SE	39DL	140	9	0.230	1.20	0.170	£	1.00
5         NS         NS         NS         NS         140         140C         120C         140PC           5         NS         NS         NS         NS         NS         NS         NS         NS           5         NS         NS         NS         NS         NS         NS         NS         NS           5         NS	MM-55	-	'n	SX	NS	N.	2.9DL	5.6	0.93DL	Q	0.950	1.10	0.34PC	1.00
S	MW-72	-4	2	NS	NS	NS	NS	N.S.	28C	1400	1200	140PC	210PC	150P
5         NS         NS         NS         1.0C         NS	M-76	-	'n	NS	NS	NS	SX	N.	SE	N.S.	SE	S	1.40	£
5         NS         NS         NS         41DL         ND         63DL         75DL         ND         ND <t< td=""><td>MW-117</td><td>1</td><td>٠,</td><td>SN</td><td>SN</td><td>0.2</td><td>1.0C</td><td>SX</td><td>S</td><td>NS</td><td>NS</td><td>NS</td><td>S</td><td>_</td></t<>	MW-117	1	٠,	SN	SN	0.2	1.0C	SX	S	NS	NS	NS	S	_
5         NS         11         O <t< td=""><td>MW-128</td><td>-</td><td>٠,</td><td>NS</td><td>NS</td><td>NS</td><td>41DL</td><td>2</td><td>63DL</td><td>75DL</td><td>£</td><td>Q</td><td>Ş</td><td>_</td></t<>	MW-128	-	٠,	NS	NS	NS	41DL	2	63DL	75DL	£	Q	Ş	_
5         MS         MS         NS         NS </td <td>MW-131</td> <td>-1</td> <td>'n</td> <td>NS</td> <td>SN</td> <td>NS</td> <td>Ş</td> <td>Ş</td> <td>Q</td> <td>QN</td> <td>Š</td> <td>0.310</td> <td></td> <td>•</td>	MW-131	-1	'n	NS	SN	NS	Ş	Ş	Q	QN	Š	0.310		•
5         NS         NS         NS         NS         1.9C         ND         ND         0.4PC         2.2PC           5. EX Method 601         3.7         3.7         3.7         7.9C         ND         5.1C         2.2PC           200         327         NS         NS         NS         NS         NS         NS           200         18100         NS         NS         NS         NS         NS         NS           200         12400         NS         NS         NS         NS         NS         NS           200         22800         NS         NS         NS         NS         NS         NS           200         4100         NS         NS         NS         NS         NS         NS           200         4100         NS         NS         NS         NS         NS         NS           200         NS         NS         NS         NS         NS         NS         NS           200         NS         NS         NS         NS         NS         NS         NS           200         NS         NS         NS         NS         NS         NS <td< td=""><td>MH-139</td><td></td><td>50</td><td>MS</td><td></td><td>X.</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>1.8C</td><td></td><td></td></td<>	MH-139		50	MS		X.	NS	NS	NS	NS	NS	1.8C		
S. FRA Hethod 601         NS         NS         14C         5.7C         7.9C         ND         5.1C         2.2PC           200         18100         NS         NS         NS         NS         NS         NS         NS           200         18100         NS         NS         NS         NS         NS         NS         NS           200         12400         NS	MW-1004	-	s	NS		0.7	1.90	ē	2	QN	0.880	0.40PC		0.250
S. EPA Method 601  200 1327 NS	MN-1005	7	S	N.S		8.0	14C	5.7C	7.90	QN	5.10	2.2PC		
200         327         NS         N	1,1-Trichloroet	hane by U	. EPA	thod 601										
200         18100         NS         NS <th< td=""><td>MW-10</td><td>200</td><td>200</td><td>327</td><td></td><td>NS</td><td>NS</td><td>W.S</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>360</td><td>£</td></th<>	MW-10	200	200	327		NS	NS	W.S	NS	NS	NS	NS	360	£
200         12400         NS         NS <th< td=""><td>MW-11</td><td>200</td><td>200</td><td>18100</td><td></td><td>NS</td><td>S</td><td>N.</td><td>NS</td><td>NS</td><td>SN</td><td>NS</td><td>38000</td><td>2700</td></th<>	MW-11	200	200	18100		NS	S	N.	NS	NS	SN	NS	38000	2700
200         22800         NS         NS <th< td=""><td>MW-12</td><td>200</td><td>200</td><td>12400</td><td></td><td>N.S</td><td>NS</td><td>SN</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>1200C</td><td>4500P</td></th<>	MW-12	200	200	12400		N.S	NS	SN	NS	NS	NS	NS	1200C	4500P
200         4100         NS	MW-14	200	200	22800		SX	SN	NS	NS	NS	SN	NS	3100C	\$500
200         ND         NS	M-15	200	200	4100		NS	NS	NS	NS	NS	SN	SN	110C	1100
200         1870         NS	MM-33S	200	200	2		SE	2	2	7064	280C	₽	Q	Q	2
EPA Method 601         NS	MM-38D	200	200		NS	NS	NS	NS	SN	NS	SN	NS	NS	SX
5         5         ND         NS         NS         NS         27C         14C         9.6C         5.1C           by U.S. EPA Method 601         ND         NS         NS         ND         19DL         23DL         13DL         ND         ND           10         NE         NS         NS         NS         NS         NS         NS         NS           10         NE         NS         NS         NS         NS         NS         NS         NS           10.S. EPA Method 601         NS         NS <th< td=""><td>rbon tetrachlor</td><td>.1de by U.</td><td>. EPA M</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	rbon tetrachlor	.1de by U.	. EPA M											
5         5         ND         NS         ND         ND         .41DL         22DL         ND         ND           10         NE         NS         NS         NS         NS         19DL         23DL         13DL         ND         ND           10         NE         NS         NS         NS         NS         NS         NS         NS         NS           10         NE         NS         <	MM-27D	٧.	2	Q	NS	NS	N.S	NS	27C	140	9.60	5.1C	9.1PC	11P
by U.S. EPA Method 601         NE         NB         NS         ND         19DL         23DL         13DL         ND         ND           10         NE         NS         NS         NS         14DL         ND         19DL         15DL         ND         ND           10.S. EPA Method 601         NS	MM-33S	5	٥,		NS	NS	Q	QX	.41DL	22DL	£	Q	Q	물
10         NE         ND         NS         NS         ND         19DL         23DL         13DL         ND         ND           10.S. EPA Method 601         NS	2-Dichloroprops	ģ	. EPA Met	w										
10         NE         NS         NS         14DL         ND         19DL         16DL         ND         ND           U.S. EPA Method 601         5         5         86.2         NS         N	MM-33S	10	NE	Q	MS	NS	æ	1 9DL	23DL	13DL	æ	욡	Q	윭
U.S. EPA Method 601         B6.2         NS         NS </td <td>MW-128</td> <td>10</td> <td>ii N</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>14DL</td> <td>£</td> <td>19DL</td> <td>16DL</td> <td>£</td> <td>9</td> <td>2</td> <td>Š</td>	MW-128	10	ii N	NS	NS	NS	14DL	£	19DL	16DL	£	9	2	Š
5         5         96.2         NS         NS<	ichloroethene b	U.S.												
5         5         38.2         NS         NS<	3-A3-	'n	5	86.2		NS	SN	NS	NS	NS	NS	NS	NS	S.W.
5         5         134         NS         NS </td <td>MW-7</td> <td>'n</td> <td>5</td> <td>38.2</td> <td></td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>N.S</td>	MW-7	'n	5	38.2		NS	NS	NS	NS	NS	NS	NS	NS	N.S
5         5         926         NS         NS </td <td>6-MM</td> <td>'n</td> <td>2</td> <td>134</td> <td></td> <td>NS</td> <td>SN</td> <td>SN</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td>	6-MM	'n	2	134		NS	SN	SN	NS	NS	NS	NS	NS	NS
5         5         11900         NS	MM-10	٠,	s	826		NS	NS	SK	NS	SN	N.	NS	15000	2100C
5 5 5 12100 NS	MV-11	٠,	٠	11900		NS	NS	S	SX	SZ	SN	N.S	6200C	2900
5 5 26600 NS	MW-12	s.	S	12100		NS	S	SZ	SE	SE	NS	NS	2500C	40069
5 5 4.3 NS S S 4.3 NS 2.6 8.2C NS NS NS NS NS NS S S 213 NS	MW-14	5	\$0	26600		NS	NS	SN	NS	NS	NS	NS	9 500C	1100
5 5 4.3 NS 2.6 8.2C NS NS NS NS NS NS S 213 NS NS ND ND ND ND ND ND ND ND ND S 25 5 8.7 NS	MW-15	•	\$	18000		SN.	NS	NS	NS	NS	NS	SN	550C	2900
5 5 213 NS ND ND ND ND ND ND ND ND ND S 5 5 8.7 NS	MV-19S	<b>u</b> n	\$	4.3		2.6	8.20	NS	NS	NS	NS	SN	SN	NS
5 5 8.7 NS	MW-22D	5	s	213		NS	õ	Q	Q	QN	£	Ş	2	Q
200 CT	MM-26D	5	s	8.7		NS	SX	NS	NS	NS	NS	NS	NS	SN
	386		•	•		5	:		. :	5	:		4	on

All Units are ug/l

MW = Monitoring Well

LOQ = Limit of quantitation

NC = Result was not confirmed in second column analysis

ND = Nothing detected

NR = Not restablished

NR = Not responded

C = Analysis confirmed in second column analysis

NS = Well not part of the sampling program at the time of sampling, or well was not sampled for a particular analyte.

Mumber Level  Trichloroethene by U.S. E WW-270 WW-270 WW-280 WW-280 WW-385 WW-54 WW-55 WW-57 WW-61 WW-61 WW-61 WW-117 WW-117 WW-129 WW-131 WW-131 WW-134	on Primary 1 MCL . EPA Method 601	1985							י אבוו ארני			
1	EPA Method 6	6/85	1985 11-12/85	1986 2-4/86	1986 9-12/86	1987 1-3/87	1987 4-6/87	1987 7-9/87	1987 9-12/87	1988 1-3/88	1988 4-6/88	1988 7-9/88
MW-270 MW-270 MW-278 MW-33S MW-33S MW-33S MW-36S MW-41S MW-41S MW-41S MW-54 MW-54 MW-54 MW-74 MW-120 MW-121 MW-123 MW-131 MW-131 MW-134 MW-136	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5											
MW-275 MW-288 MW-388 MW-386 MW-386 MW-386 MW-410 MW-410 MW-54 MW-55 MW-57 MW-72 MW-72 MW-120 MW-131 MW-133 MW-133 MW-133 MW-133 MW-133 MW-133 MW-133 MW-133 MW-133	n 4		•	•	5	92	200		9	250	7433	4
MW-273 MW-28B MW-38S MW-38S MW-40S MW-40S MW-54 MW-55 MW-55 MW-57 MW-72 MW-72 MW-117 MW-128 MW-133 MW-133 MW-134 MW-136 MW-136 MW-136 MW-136 MW-137 MW-136 MW-137	•		2	n c	C S	g s	764		) 0 4	) (1)	7000	1 0 N
MAY 28D MAY 38S MAY 40S MAY 41S MAY 54 MAY 54 MAY 61 MAY 61 MAY 75 MAY 75 MAY 120 MAY 120 MAY 120 MAY 120 MAY 120 MAY 120 MAY 120 MAY 131 MAY 131 MAY 132 MAY 133 MAY 133	•	63.4	SE	S	2	2	Ç.		e.	a E		2
MN-33S NN-346S NN-36S NN-41S NN-41S NN-41S NN-54 NN-55 NN-55 NN-61 NN-75 NN-75 NN-120 NN-120 NN-132 NN-135 NN-136 NN-	'n	6.8	SN	SN	NS	SZ	£		2	2		2
MV-36S NN-38D NN-40S NN-41S NN-54 NN-55 NN-57 NN-63 NN-72 NN-72 NN-72 NN-120 NN-120 NN-120 NN-120 NN-120 NN-120 NN-131 NN-135 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-136 NN-137 NN-136 NN-13	'n	22600	NS	NS	25000C	27000C	25000C		3500C	22000PC		32000C
MW-38D MW-41S MW-41S MW-54 MW-54 MW-55 MW-63 MW-63 MW-63 MW-72 MW-72 MW-72 MW-124 MW-120 MW-123 MW-133 MW-134 MW-136 MW-136 MW-136 MW-136 MW-136 MW-136 MW-136 MW-136 MW-137 MW-136 MW-137 MW-136 MW-137 MW-137 MW-137 MW-137	S	2.9	NS	1.8	2.2NC	2	3.7C	5.30	1.8C	1.90		2.50
MM-40S MM-54 MM-54 MM-54 MM-55 MM-57 MM-61 MM-72 MM-72 MM-120 MM-120 MM-128 MM-131 MM-133 MM-134 MM-139 MM-139	'n	296	SN	NS	NS	NS	NS		NS	NS		NS
MW-41S MW-55 MW-55 MW-57 MW-61 MW-72 MW-72 MW-72 MW-12 MW-120 MW-123 MW-136 MW-136 MW-136 MW-136 MW-137	•	190	N.S.	NS	SX	NS	NS	NS	NS	NS		SN
NW-54 NN-55 NN-56 NN-61 NN-61 NN-63 NN-63 NN-72 NN-74 NN-72 NN-12 NN-120 NN-129 NN-139 NN-136 NN-136 NN-139 NN-139	٠,	23.2	S	20	744C	37C	910	130C	100C	140PC		980P
MV-55 MV-61 MV-63 MV-63 MV-63 MV-74 MV-74 MV-92 MV-120 MV-129 MV-139 MV-136 MV-139 MV-139 MV-139 MV-139		SE	S	SX	9.0DL	3.90	Q	2	1.80	1.40		7.30
MN-57 MN-61 MN-63 MN-63 MN-72 MN-75 MN-91 MN-120 MN-128 MN-132 MN-133 MN-136 MN-136 MN-136 MN-139 MN-139 MN-139 MN-139	, v	2	2	. Y	1100	200	510	37C	7.0C	110		19P
MW-59 MW-61 MW-72 MW-72 MW-72 MW-74 MW-12 MW-117 MW-123 MW-139 MW-136 MW-136 MW-137	, «	2 2	2	2 2	25.0	140	2	2	0.580	30		Ę
MW-61 MW-63 MW-72 MW-74 MW-92 MW-117 MW-120 MW-123 MW-131 MW-134 MW-135 MW-136 MW-136 MW-137 MW-	י ר	C N	2 2	2 6	2006	0001	0		900	2.3PC		2
MW-72 MW-72 MW-92 MW-92 MW-117 MW-120 MW-128 MW-133 MW-133 MW-134 MW-135 MW-135 MW-136 MW-137 MW	۰ •	2 2	2 2	; ;	7 7	, , ,	230		2	) L		40 6
MW-72 5 6 MW-74 5 6 MW-74 9 1 6 6 6 MW-12 9 1 6 6 6 6 MW-12 9 6 6 6 6 MW-12 9 6 6 6 6 MW-13 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	٠ ٠	2 2	2 2	1.0	, ,	217	2015		2005	204		41.6
MW-72 MW-75 MW-91 MW-117 MW-123 MW-123 MW-131 MW-131 MW-135 MW-136 MW-137 MW-137 MW-137 MW-137 MW-137 MW-137 MW-137	n •	Ç :	e :	7 :	7 7	7 5	7077		2 2 2	0000		776
MW-74 MW-91 MW-92 MW-117 MW-120 MW-128 MW-129 MW-131 MW-133 MW-135 MW-136 MW-137 MW-137 MW-139	^ '	2	2	2	2	2	707		7000	710/0		300k
MW-75 MW-91 MW-120 MW-120 MW-128 MW-129 MW-139 MW-136 MW-136 MW-137 MW-137 MW-137 MW-137 MW-137 MW-137	'n	SE	S	Z.	NS	2	2		2	2		4 0
MN-91 NN-120 NN-120 NN-123 NN-128 NN-129 NN-131 NN-135 NN-136 NN-136 NN-137 NN-136 NN-137 NN-137 NN-139	•	NS	NS	NS	NS	S X	SN		SE SE	SE		7 <b>9</b> C
MN-92 MN-117 MN-120 NN-123 MN-128 MN-129 MN-131 MN-135 MN-135 MN-135 MN-137 MN-137 MN-137 MN-137 MN-137 MN-137 MN-137 MN-137	'n	NS	SN	S	NS	9.90	130		6.7C	9.90		90.90
MW-117 5 MW-120 5 MW-121 5 MW-128 5 MW-129 5 MW-131 5 MW-131 5 MW-133 5 MW-134 5 MW-137 5 MW-137 5	s	NS	NS	NS	NS	6.2C	7.90		3.8C	4.4PC		3.8C
MV-120 5 MV-123 5 MV-128 5 MV-129 5 MV-131 5 MV-132 5 MV-136 5 MV-137 5 MV-137 5	'n	NS	SN.	17	21C	NS	NS		N.S	NS		SN
MV-123 5 MV-128 5 MV-129 5 MV-131 5 MV-132 5 MV-136 5 MV-136 5 MV-137 5	s	NS	SN	24	20C		25C		9.30	8.8C		9.8C
MN-128 5 MN-129 5 MN-131 5 MN-135 5 MN-136 5 MN-137 5 MN-139 5	'n	NS	NS	3.1	7.10		S		NS.	NS.		S
MW-129 5 MW-131 5 MW-132 5 MW-136 5 MW-137 5 MW-137 5	\$	NS	NS	NS	41000C		25000C		27000C	19000PC		340000
MV-131 5 MV-132 5 MV-135 5 MV-136 5 MV-137 5	'n	NS	NS	SN	1300	10C	<b>48</b> C	<b>910</b> C	45C	110	270	220C
MN-132 5 NN-135 5 NN-136 5 MN-137 5 MN-139 5	•	NS	SN	SX	29C		30C		22C	32C		99P
MW-135 5 MW-136 5 MW-137 5 MW-139 5	s	NS	N.S	NS	206		110C		130	77PC		93P
MV-136 5 MV-137 5 MV-139 5	\$	NS	N.S	NS	NS	NS	NS		NS	300		27C
MW-137 5	s	NS	NS	SN	NS	N.S	NS		NS	230C		470C
MW-139 5	5	NS	NS	NS	NS	NS	NS		N.S	350C		350C
	'n	NS	NS	SN	NS	NS	SN		S	96 8		<b>8</b> 3C
MW-140 5	'n	NS	NS	NS	NS	NS	NS		NS	260		53P
MW-141 5	٠,	NS	NS	NS	NS	NS	SN		NS	) 06		160C
MM-1004 5	s	NS	14	15	26C	18C	27C		7.20	3.6PC		2.2C
MW-1005 5	٠,	N.S	100	62	80C	29C	95C	_	22C	15PC		14P
MW-1021 5	s	NS	NS	NS	57C	32C	57C	79 <b>4</b>	17C	11PC		18C
MW-1022 5	5	NS	SN	NS	130	Q	20C		7.60	4.8PC		11P
MW-1041 5	s	NS	NS	NS	160	QN	Ð	_	Ð	Ð		2
1,1,2-Trichloroethane by	U.S. EPA	Method 601										
MW-38D 100	NE	213	SN	NS	NS	NS	NS	SN	NS	NS	NS	NS
Tetrachloroethene by U.S.	EPA	601	!		!							
MW-10 4		6.49	NS	SN	NS	NS	NS	NS	NS	NS	2.4C	Q
MW-11 4	N.	2480	NS	SX	NS	NS	NS	NS	NS	NS	25C	Q
MW-12 4	NE	1260	SN	SN	S.	NS	NS	NS	NS	NS	200C	610P

All Units are ug/l

MW = Monitoring Well

LOQ = Limit of quantitation

NE = Not established

NE = Not established

NE = Not established

NR = Not reported

NR = Not seported

NR = Not samplish confirmed in second column analysis

NR = Not sampling program at the time of sampling, or well was not sample for a particular analyte.

Analyte Name	SHOO	U.S. EPA		Round 2	Kound 3	4th Otr.	ישני לניני	ZNG YEE.	3rd Qtr.	לנח ענני	IST UTE.	לנות לנני	,
Well	Action	Primary	1985	1985	1986	1986	1987	1987	1987	1987	1988	1988	1988
Number	Level	#CL	6/85	11-12/85	2-4/86	9-12/86	1-3/87	4-6/87	7-9/87	9-12/87	1-3/88	4-6/88	2-9/88
Tetrachloroethene by U.S.		EPA Method	1 601		 	; ; ; ; ;	1			1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6 1 1 1 1 1 1 1 1	1 1 1 1 1
MW-14				NS	NS	NS	NS	NS	NS	NS	NS	7.60	Q
MW-22D	-4	NE	13.5	NS	NS	Q	QX	Q	QN	Ş	£	ND	Ş
MW-33S	4	NE	GN	SN	NS	QN	9.8DL	8.7DL	6.9DL	QN	Q	QN	Š
MM-38D	4	NE	260	NS	NS	NS		NS	NS	NS	NS	NS	NS
MW-41S	4	X	3.3	NS	9.0	0.18DL	Q	0.75DL	QN	3.2C	6.2PC	10FC	57P
MM-54	4	NE	NS	NS	SN	4.1DL	_	£	QN	QN	Q.	QN	Q.
M4-55	4	NE	SN	NS	NS	130	794	47C	Q	25C	6.8C	3.0PC	1.7P
MW-128	4	NE	SN	NS	NS	ã	2	23DL	2	2	2	Q	QN
MW-1021	4	NE	SN	NS	NS	2.8C	QX	5.60	2.70	3.30	1.3PC	1.20	1.80
1,2-Dichlorobenzene	by U.S	EPA	109 pot										
M-10		NE	69.8	NS	NS	SN	S <b>X</b>	W.S	NS	NS	NS	200C	210C
MW-38D	130	NE	147	NS	NS	NS	NS	NS	SZ	NS	X.	NS	NS
1,4-Dichlorobenzene	by U.S.	EPA H	ethod 601										
MV-11	(100)	5 NE	QN	NS	NS	NS	SN	NS	SN	NS	NS	2.0C	QN
MW-14	(LOQ) 0.5	J. 5 KE	QN	NS	NS	NS	S#S	NS	NS	NS	NS	1.40	Q
MM-33S	(100)	D. 5 NE	Q	NS	NS	6.2NC	6.1DL	15DL	7.1DL	QN	Q	Q	QN
MH-54	(L0Q)0.5	3.5 NE	SN	NS	NS	S7DL	2	Q	Q <b>X</b>	QN	QX	QN	QN
MV-61	(LOQ)0.5	0.5 NE	NS	NS	2.3	QN	£	QN	ě	Q	Q.	QN	QN
MH-128		S NE	NS	NS	NS	2	2	5.7DL	5. SDL	Q	QN CN	Q	QN
1,2-Dichlorobenzene	~	EPA	fethod 602										
MM-10		Z	N.	NS	NS.	S.	X.	NS.	S	NS	SX	200C	170C
1,4-Dichlorobenzene	_	Ξ											
MW-33S	(L0Q)0.5	0.5 NE	NS	NS	NS.	4 . 2C	5.8C	7.2DL	7 . ODL	2	£	Ş	2
MW-55	(100)0.5	).5 NE	SN	NS	NS	2	. 58DL	2	Ę	2	2	2	Q.
MW-61	(LOQ) 0.5	). 5 NE	NS	S.	0.7	2	£	£	2	Q	2	2	Q
MW-75	(100)0.5	). 5 NE	NS	NS	NS	NS	X.	NS	NS	NS	S	0.730	2
MW-128	(LOQ)0.5	).5 NE	NS	NS	NS	ΩN	Q.	3.4DL	4 . 2DL	Q.	Q	Q	Q
Benzene by U.S. EPA	Method 602	1 602											
<b>M</b> -10	۲.	S	NS	NS	NS	NS	NS	NS	NS	SN	NS	110	Q.
MW-11	۲.	'n	NS	NS	NS	NS	NS.	N.S	NS	NS	NS	30C	Q
MM-54	۲.	'n	SN	NS	NS	9.50	9	1.0C	Q.	욡	£	QN	Q
MW-104	۲.	'n	SN	6.0	Q.	QN	2	Q	Q.	£	£	ND	2
MW-112	۲.	'n	NS	2	Q	2.2NC	ē	Q	Q	Q.	Q	Q	Q
MW-1000	۲.	'n	NS	0.1	Q	Q	Ę	Q.	QN	Q	Q	QN	Q
MW-1015	۲.	'n	NS	6.0	Q	0.21	8	Q.	Q.	Q.	2	QN	Q
	۲.	'n	NS	NS	NS	Q	Ş	1.10	ð	Q	ç	Ē	Q
by U.S.	EPA Method 602	1 602	;	;	;		;	•	1	•	;	•	1
*C-ME	5		2	n Z	Ŷ	2300	•	2.70	2	0.410	2	Q.	2
Vinyl chloride by U.S		EPA Method 62	624	;	;	;	;	;	;	;	;	;	;
MW-10	7		S.N	S	S.	NS	<b>X</b> S	NS	S.	810	S	SZ.	NS
MN-54	7	-		NS	S.W.	NS	N.S.	11	NS	20	SN	ĊN	SN
Methylene chloride by U.S	by U.S.	EPA Method	od 624										
MV-11	0,	N	NS	NS	S.	N.S	S X	NS	NS	1700	NS	SN	NS
			1 1 1 1										

All Units are ug/l

MW = Monitoring Well

LOQ = Limit of quantitation

NO = Result was not confirmed in second column analysis

NO = Nothing detected

NO = Noth

APPENDIX. (continued)

F.C.   6/85   11-12/85   2-4/86   9-12/86   1-3/87   4-6/87   7-9/87   9-12/86   1-3/87   4-6/87   7-9/87   9-12/86   1-3/87   4-6/87   7-9/87   9-12/86   1-3/87   4-6/87   7-9/87   9-12/88   8-	1 .					×	1997	1987	1987	1988	1988	1 088
Distribution   Dist	nloroethene by U.S. EPA 1 6 7 6 7 6 7 7		11-12/85	2-4/86	9-12/86	1-3/87	4-6/87	7-9/87	9-12/87	1-3/88	4-6/88	7-9/88
100   0	6 7 6 7 6 7 7 6 9 7 7 9 9 9 9 9 9 9 9 9	fethod 624					; ; ; ; ; ;	; ; ; ; ;	1		 	
1-12   6	6 7		NS	NS	NS	NS	NS	NS	1100	NS	NS	SN
1,12   6	7 9	SN	NS	X.	NS	NS	SN	NS	00097	NS	NS	SX
1-14 6 7 NS		NS	NS	SN	NS	N.S	NS	NS	11000	N.S	NS	NS
15	6 7	NS	NS	NS	NS	SN	NS	NS	260	NS	NS	NS
1-53   6	6 7	NS	NS	NS	NS	NS	NS	NS	1500	SN	NS	NS
1-54   6	6 7	NS	NS	NS	NS	SW	NS	SN.	15	NS	QN	13
1-55   6	6 7	NS	NS	NS	NS	SN	28	NS	11	NS	2	NS
1-29   6	6 7	NS	SN	NS	SN	NS	43	NS	24	SN	NS	43
1-72 6 7 NS	6 7	NS	NS	NS	SN	SN	22	NS	9.5	N.S	NS	SN
1-14   6	, 9	NS	NS	NS	NS	NS	NS	SN	760	670	770	099
1,000	6 7	SN	NS	NS	NS	NS	NS	S N	NS	NS	14	NS
1-1014   6	6 7	NS	NS	NS	NS	NS	NS	NS	NS	N.S	110	SN
1004   6	6 7	NS	SN	SN	SW	13	NS	N.S	Q	N.S	S.	NS
No.	04 6 7	NS	SN	NS	SN	NS	X.	NS	SN	52	SN	13
Dichloroethane by U.S. EPA Method 624  1-10  20  NE  NS  NS  NS  NS  NS  NS  NS  NS  NS	05 6 7		NS	SN	SN	NS	85	NS	S.	SN	SZ.	S Z
1-54 20 NE NS	hloroethane by U.S. EPA !	62								;	;	;
1, 2	20		NS	N.S	NS	NS	NS	NS	330	NS	NS	NS
1,2-Dichloroethene by U.S. EPA Method 624   NS	20			SN	NS	NS	99	NS	8.5	KS.	Q X	S Z
1.7-0   NE	20			NS	SN	SN	NS	NS	43	61	54	79
1-1.7-Dichloroethene by U.S. EPA Method 624  1-10				NS.	NS	NS	SZ	NS	N.	S	20	S
1-10 16 NE NS	by U.	EPA	624		;	;	į	;	Ç	25	2	on.
1-27D 16 NE NS	16			SN	SE SE	S :	2 :	2 2	9 4	2 6	0 G	2 6
1-335 16 NE NS	16			NS	SN	SE	2 .	N.	2 2	5 5	2 2	67
1-41S 16 NE NS	16			SN	N.S	530	340	3/0	S S	9	2 2	044
155   16	s 16			NS	NS	S	2	2 2	٠. د	07	2 2	5 6
1-63 16 NE NS	16			NS	SK	2 :	1.1	2 2	0 2	7 9	2 2	7 7
1-7/2   16	16			SE	S .	2 Z	Ç S	2 2	2 9	2 g	2 5	, a
10	97			2	2 :	C C	2 2	2 2	2 2	2 2		2
1.126 16 NE NS	9 ;		SE S	S	S S	25	2 5	2 2	2 2	25.4		2 2
13.2	70			S S	e e	130	5 5	2 6	2 2	35	Z Z	20
10	2 1 1			Ĉ	Ê	<b>:</b>	ì	1	!	ì	<b>:</b>	ì
1-72 1 5 NS	;	70 0000		V	2	SN	NS	NS	330	NS	NS	NS
1-Trichloroethane by U.S. EPA Method 624 1-Trichloroethane by U.S. EPA Method 624 1-12 200 200 NS	4	2		2 2	S S	S	S.W.	SE	79	120	140	140
1-Trichloroethane by U.S. EPA Method 624  1-11 200 200 NS	05 1			SZ	S	NS	3.6	SN	NS	SN	NS	NS
11	s o											
124 200 200 NS				NS	NS	NS	S <b>N</b>	NS	10000		NS	NS
1-270   1-27	200			NS	NS	SM	SN	NS	3200	SN	NS	NS
on tetrachloride by U.S. EPA Method 624  1-27D 5 5 NS NS NS NS NS  1-10  Initial are ug/1  Monitoring Well  No = Initial of quantitation  No = No tetrachlorian with the second of the s				NS	NS	S.N.	NS	NS	350	NS	NS	N.S
1-27D 5 5 NS	tetrachloride by U.S. EP.	Method										
inloroethene by U.S. EPA Method 624  1-10  5 5 NS  NS  NS  NS  NS  NS  NS  NS  NC  Monitoring Well  No  Linite of quantitation  No	3 5			NS	NS	NS	SN	NS	NS	7.1	NS	80 80
Units are ug/l  Monitoring Well  Monitoring to a quantitation  Monitoring Well  Monitoring	U.S.	624										
Units are ug/l Monitoring Well Monitoring Well Mon to quantitation Mon area Note and Monitoring Well			NS	NS	NS	NS	NS	NS	910	S.	SZ	S.
Monitoring Well  # Limit of quantitation  # Not are blocked	ts are ug/l	f   t   f   t   t   t   t   t   t   t		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ured out c	of the conf	1rmation	ניתו			
m Limit of quantitation ND m No metablished NP m	unitoring Well				"	ult was no	ot confirm	d in seco	nd column	analysis		
W Not setupliched	imit of quantitation				ĸ	hing detec	ted					
	* Not established				H	reported						
Ħ	- Identity previously	onfirmed			Ħ	analyzed						
Analysis confirmed in second column analysis B ~ Comp	nalvals confirmed in seco	e uma por	inalvsts		ĸ	pound dete	ected in 19	boratory	blank - not	r edited		

.. . . . .

Continue   Part   Par	Analyte Name	DOHS	U.S. EPA	Round 1	Round 2	Round 3	4th Otr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.
Column   C	Number	Level	NCT.	6/85	11-12/85	2-4/86	9-12/86	1-3/87	198/	7-9/87	198/ 9-12/87	1-3/88	1988	1988
	Trichloroethene	A 11 C	! _	£24							1			
## 15 5 5 18 16 18 16 18 16 18 16 18 16 18 16 18 18 18 18 18 18 18 18 18 18 18 18 18	<b>2</b> -11				S	SN	SM	SN	V.	Z	0008	V.	2	Y.
## 15 5 5 18 18 18 18 18 18 18 18 18 18 18 18 18	M4-12	٠.	•	SE	SX	S.	SA	2	2 7	2	7000	2 %	2 2	2
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ME-14	'n	'n	WS	W.	\(\sigma\)	S.W.	S	S	S	350	2	S X	
## 15.50   5   5   16   16   17   18   18   18   18   18   18   18	M-15	'n	•	SN	SZ	NS	S	S	S	S	1000	S X	N.S.	SX
1-136 5 5 6 16 10 10 10 10 10 10 10 10 10 10 10 10 10	MH-27D	٧,	40	NS	SN	NS	SW	N.	W.	SK	N.	55	SX	77
1.5   1.5	MH-33S	s	٠	MS	W	NS	WS	22000	21000	22000	SE	23000	N.	35000
Head of the control o	M-41S	'n	so.	S N	MS	NS	NS	NS	MS	NS	SW	220	NS	700
1.50   5   5   15   15   15   15   15   15	<b>PEN</b> -53	5	40	SN	SN	NS	NS	NS	SM.	NS	5.3	NS	Q.	2.5
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	MH-55	'n	٠,	MS	SN	N.S	NS	NS	18	MS	9.5	NS	MS	15
Heat   S	MA-59	'n	'n	NS	SN	SN	NS	W	20	NS	7.4	SN	NS	NS
Helphone Series	<b>M-61</b>	'n	'n	NS	SN	NS	NS	13	S#S	NS	N.S	5.4	NS	9.9
1-1-2   1-1-	MH-63	'n	•^	SK	NS	MS	NS	SE	SE SE	NS	Z.	X.	NS	72
11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	MI-72	•	<b>~</b> \	SE	SN	NS	NS	SE	MS	N.	530	790	1900	1100
1-15 5 5 6 185 185 185 185 185 185 185 185 185 185	¥2-34	50	'n	NS	NS	NS	NS	S	SE	×	N.	NS	=	SE SE
1-12	M-75	\$	'n	NS	MS	MS	NS	S	S	S	SE	WS	21	SE
1-120 5 5 5 185 185 185 185 185 185 185 185 1	MH-76	10	×n	MS	NS	WS	S	SX	S	SE	S	S	5.2	SE
1-120 5 5 5 18 18 18 18 18 18 18 18 18 18 18 18 18	MA-91	5	κ,	NS	MS	NS	MS	9.	KS.	N.	4.8	×	7.6	SE
4-129 5 5 18 18 18 18 18 18 18 18 18 18 18 18 18	MW-120	•	٠,	NS	MS	MS	SX	SN	S	SM	S	10.0	SM	8.7
1-129 5 5 18 18 18 18 18 18 18 18 18 18 18 18 18	MW-128	5	×٦	SE	SK	NS	SN	21.000		S	S	30000	S	32000
1-132 5 5 18 18 18 18 18 18 18 18 18 18 18 18 18	MW-129	•	ď	MS	22	SN	S			S	y X	33	SX	200
4-136 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	MV-132	•	•	MS	SN	SE	SE	8	9	95	S	9	SE	76
1-1012   5   5   1	HH-136	s	×٦	NS	NS	X.	S	S	SX	S.N.	S	SN	N.S.	430
1	M4-1005	5	'n	NS	SN	MS	S	S	35	S X	SX	SE	MS	SN
## Care by U.S. EPA Method 624  ## A RE NS	MW-1022	'n	۱۲	NS	SE	NS	SE	S	SN	S	9.9	NS	MS	SN
1-15	Tetrachloroether		EPA Method					!	:					
1.5   1.5	M4-41S	4	Z	NS	NS	NS	NS	NS	NS	SN	SN	5.5	WS	27
1-101   NE   1-101   NE   1-101   NE   NE   NE   NE   NE   NE   NE   N	MI-55	4	Ä	NS	NS	NS	NS	NS	Q	NS	13	NS	NS	Ð
1-101   1-10	Benzene by U.S.	EPA Method	1 624											
No. 102   No. 102   No. 102   No. 102   No. 102   No. 102	<b>751-</b> 54	۲.	s	NS	X.	N.	SX	SN	2.1B	SX	£	X.	Ę	NS
Name	MM-102	۲.	s	NS	SE SE	NS	N.S	SN	NS	5.2B	SN	SN	NS	NS
NE   SO   NS   NS   NS   NS   NS   NS   NS	Chromium by U.S.	. EPA Metho	d 200.7											
1-45   NE   50	₩-12	NE	20	NS	NS	NS	NS	NS	NS	NS	80	NS	10	21
NE   SO   NS   NS   NS   NS   NS   NS   NS	MW-31S	NE	20	SN	N.S	61	NS	KS	NS	NS	MS	NS	£	NS
NE   SO   NS   SO   NS   NS   NS   NS   NS	NA-44S	NE	20	SN	NS	Ð	NS	20	NS	NS	NS	SN	53	84
10	M-101	NE	20	NS.	38	£	NS	NS	NS	62	SN	NS	16	WS
1019   NE   50 NS   250 ND   NS	MV-1018	NE	20	SN	99	72	NS	SN.	SN	NS	10	NS	σ.	13
by U.S. EPA Method 200.7	MW-1019	NE	20	SN	250	æ	NS	NS	NS	NS	NS	£	NS	S
NE   50 NS	Lead by U.S. EP.	A Method 20	7.0											
NE   SO   NS   NS   NS   NS   NS   NS   NS	MV-12	NE	20	SN	NS	NS	NS	NS	NS	NS	9	NS	Q	Q.
	MW-1001	NE	20	SN	7	9	N.	NS	SN	NS	NS	NS.	NS	SN
Units are ug/1  Monitoring Well  Limit of quantitation  Monitoring Well  Not established  Not established  Not = Identity previously confirmed  Analysis confirmed in second column analysis  B =	MW-1012	NE	20	NS	240	6	NS	NS	NS	ð	N.S	NS	NS	Q
Monitoring Well  Limit of quantitation  Limit of quantitation  NO = Not established  NR = PC = Identity previously confirmed  NA = Analysis confirmed in second column analysis	All Chite are				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1		7					
= Limit of quantitation = Not established = Not established = Not = Identity previously confirmed = Analysis confirmed in second column analysis = Analysis								uted out o	r the con	Tribacion i	mu 4 00 1:100	a tay land		
= Not established PC = Identity previously confirmed NA = Analysis confirmed in second column analysis B =		ouantitatio	g					hine detec	red .	10298 117 0				
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APPENDIX. (continued)

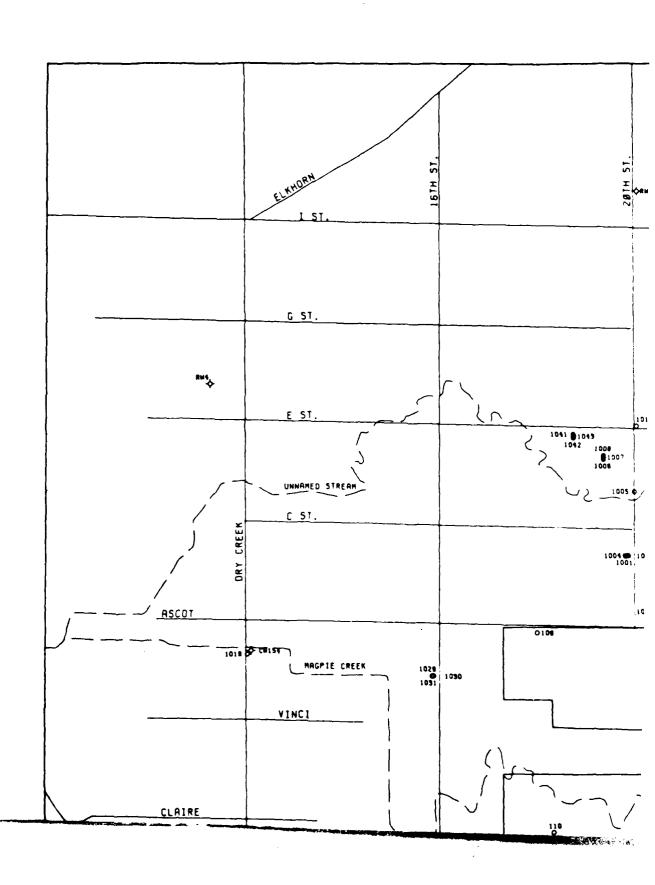
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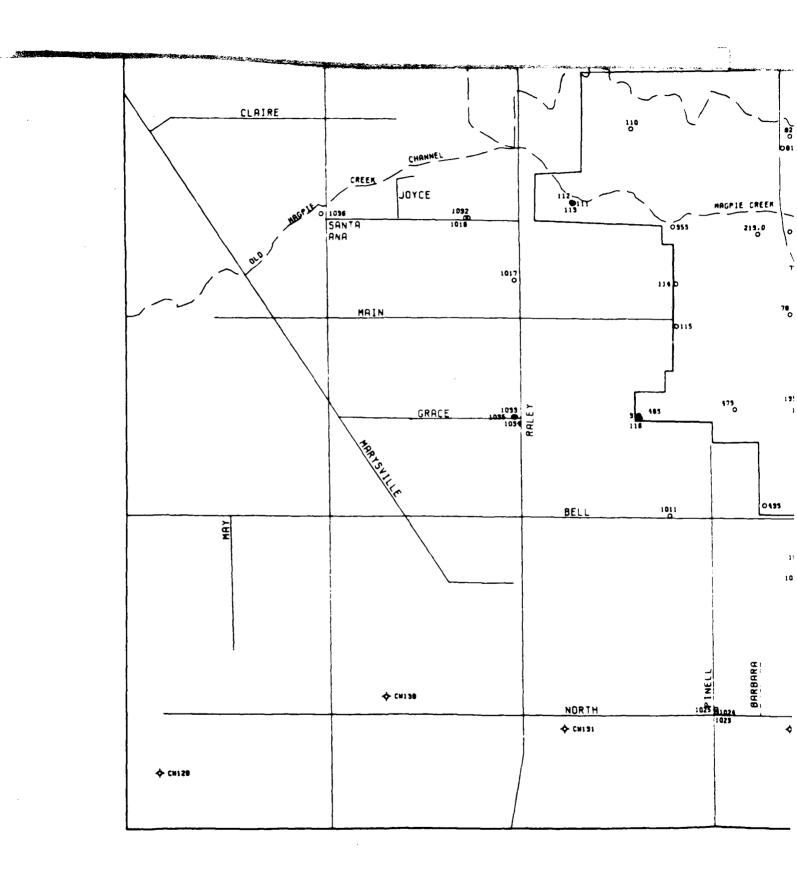
C = Analysis confirmed in second column analysis

NS = Well not part of the sampling program at the time of sampling, or well was not sampled for a particular analyte.

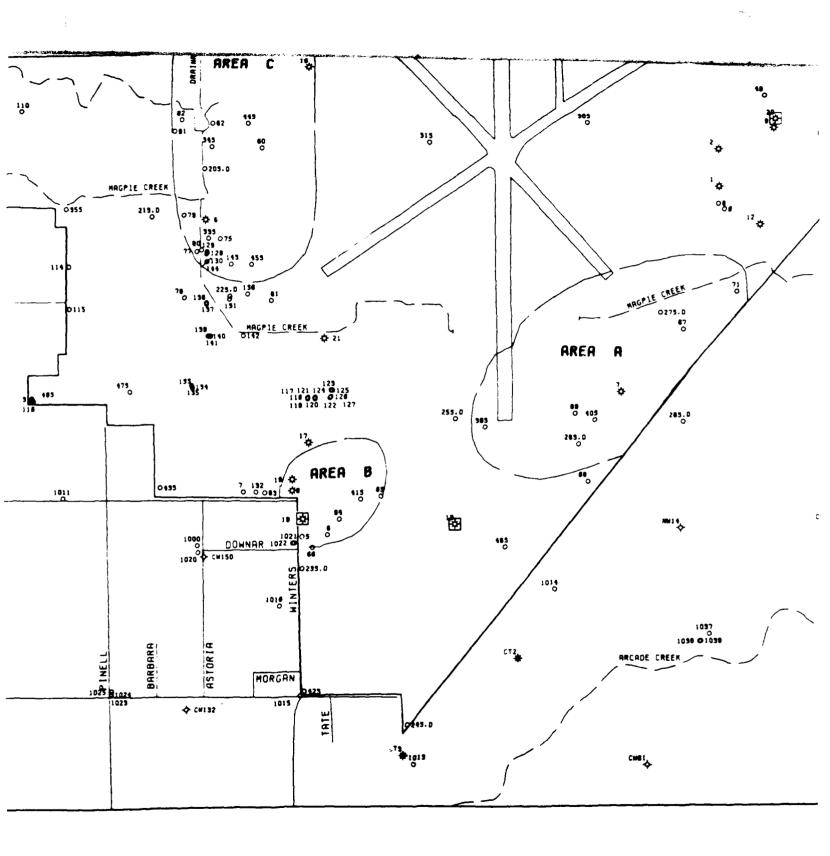


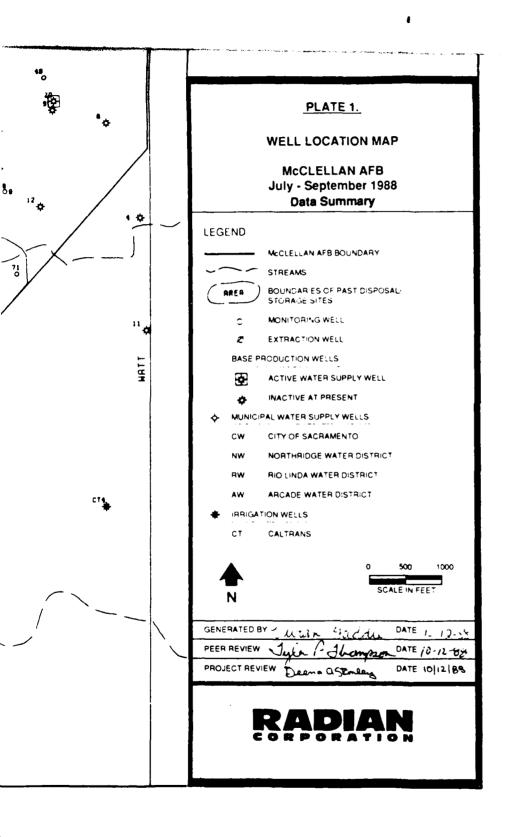
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3. UNNAMED STREAM 01949 " E 50 THE 293.0



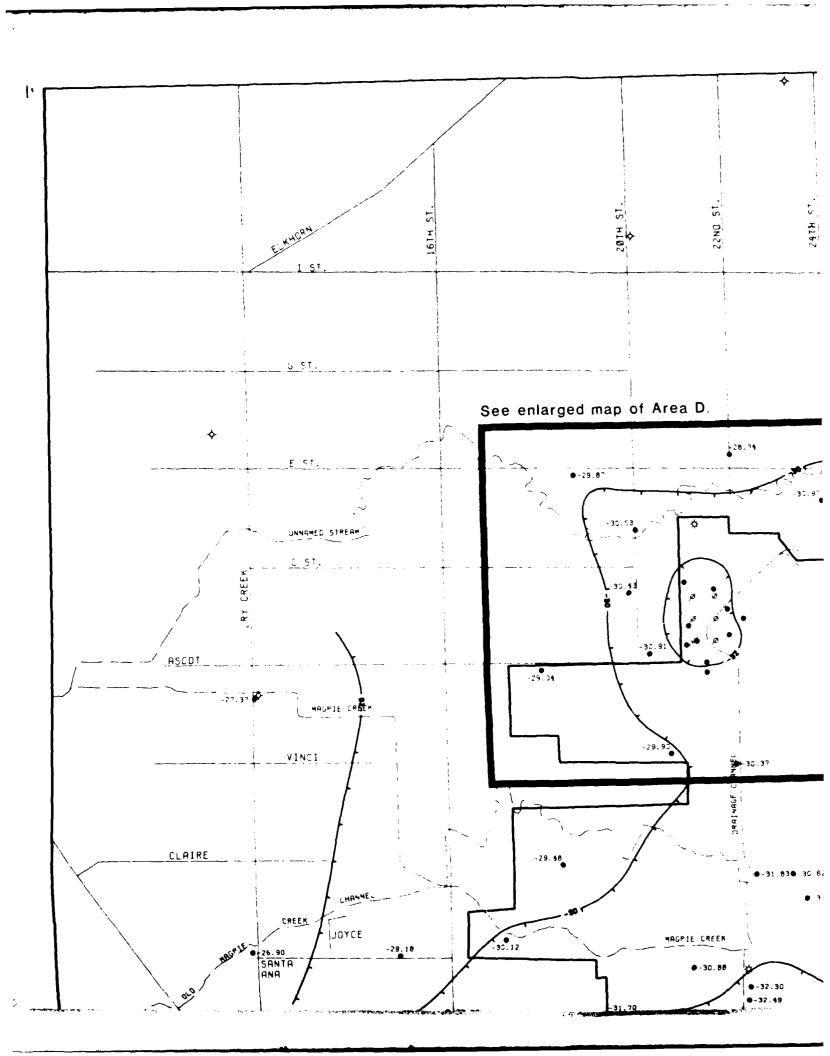
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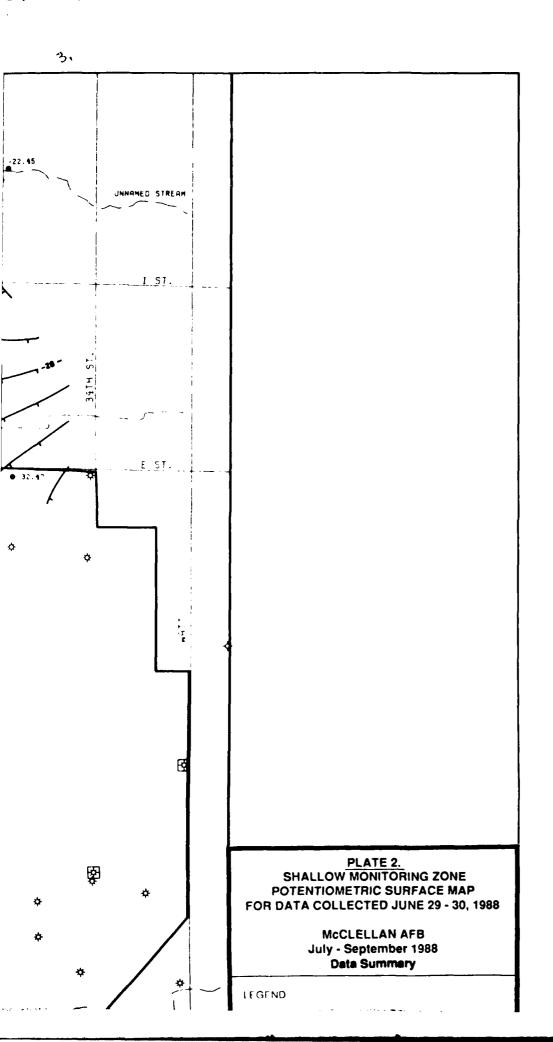


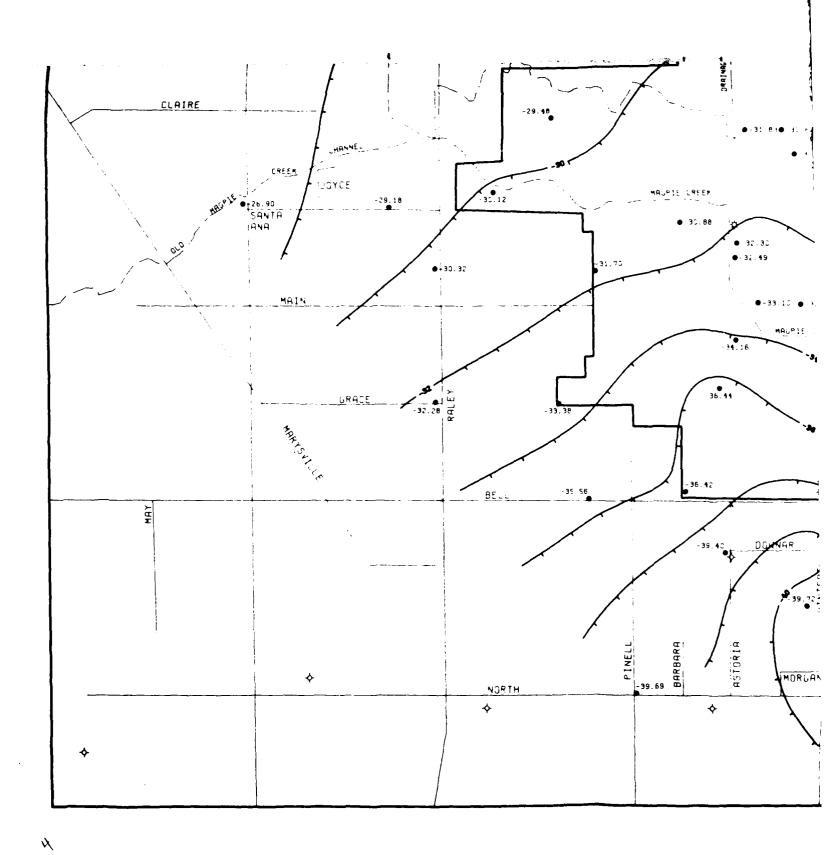


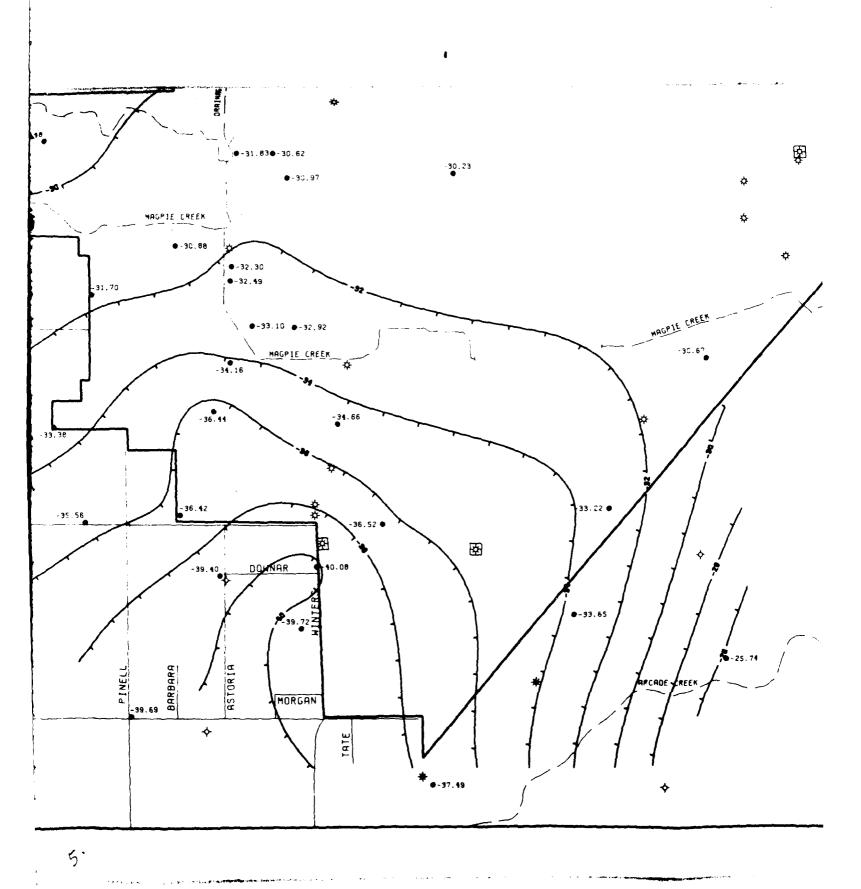
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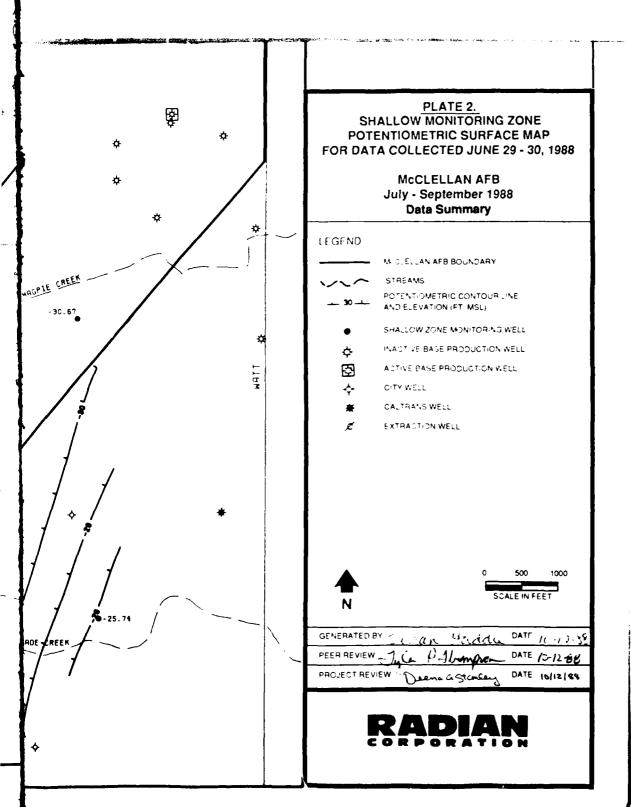
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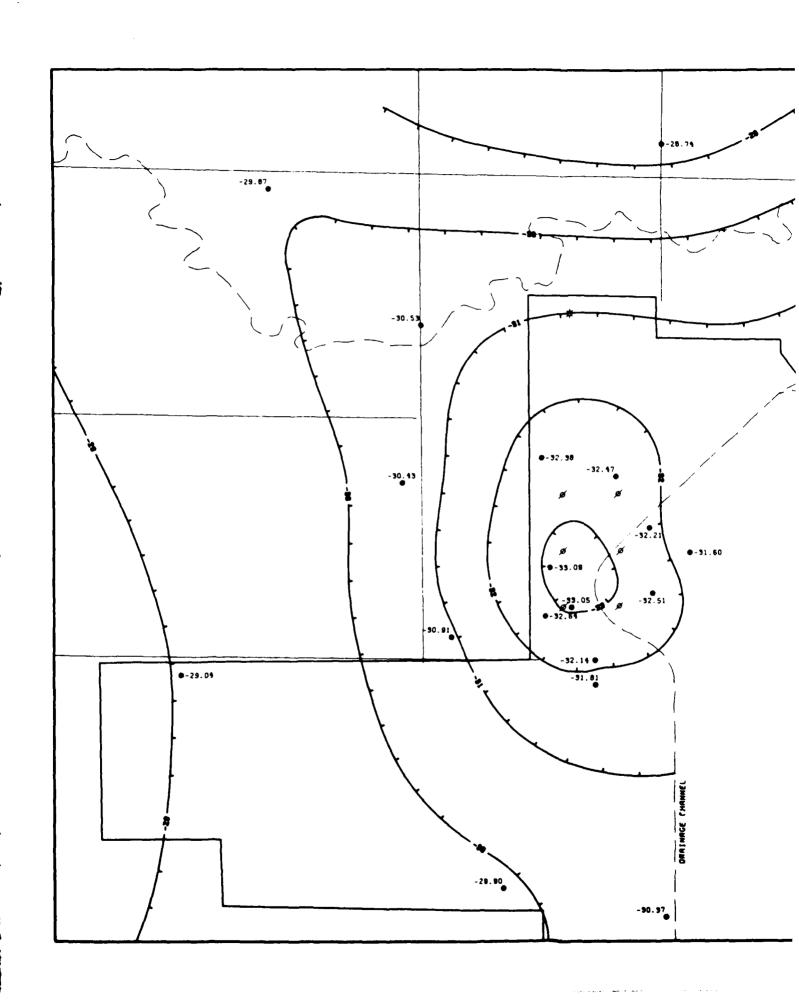


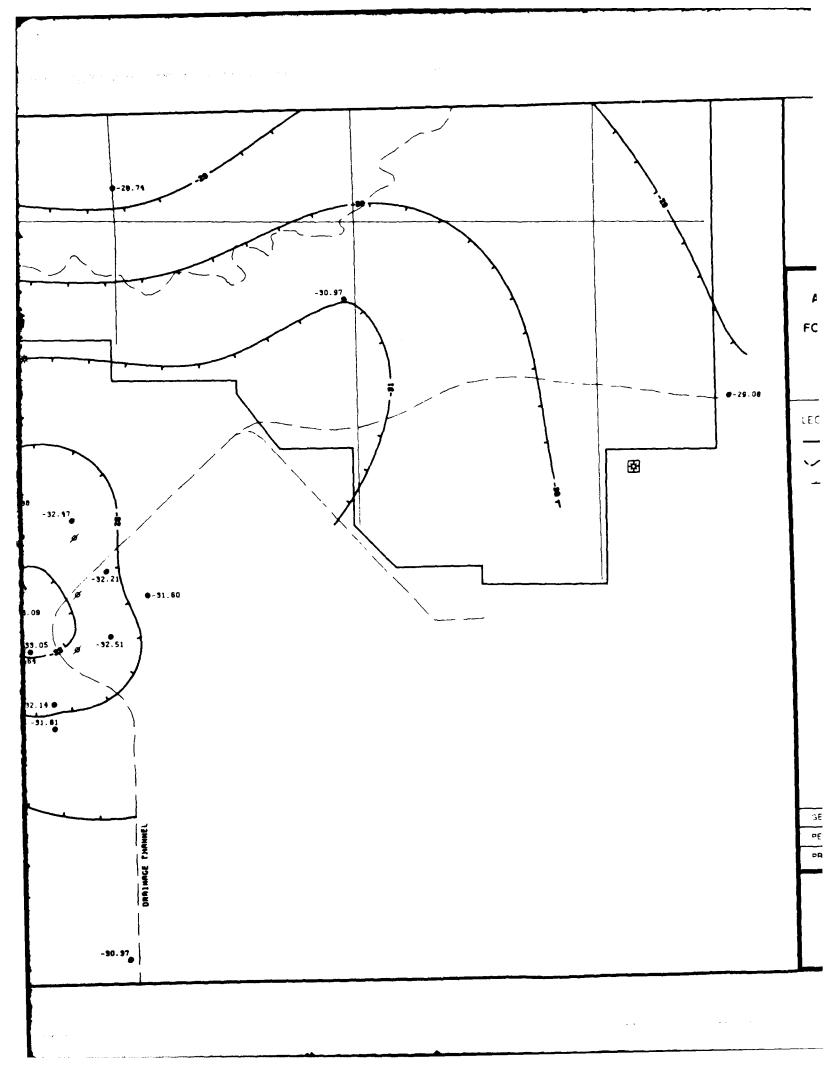


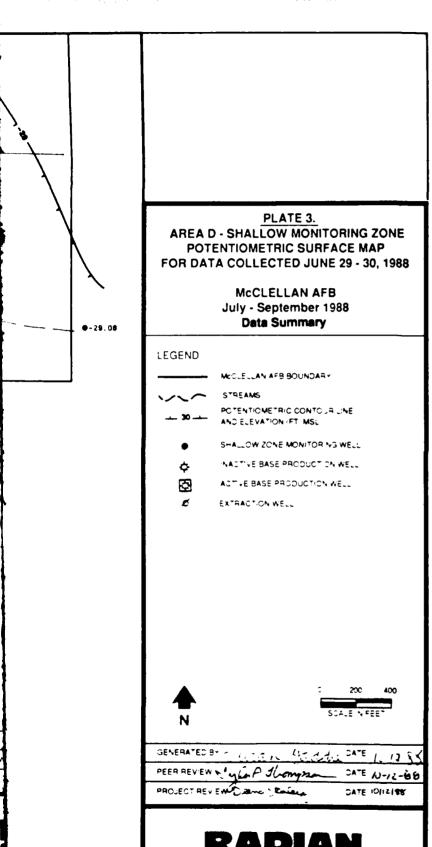


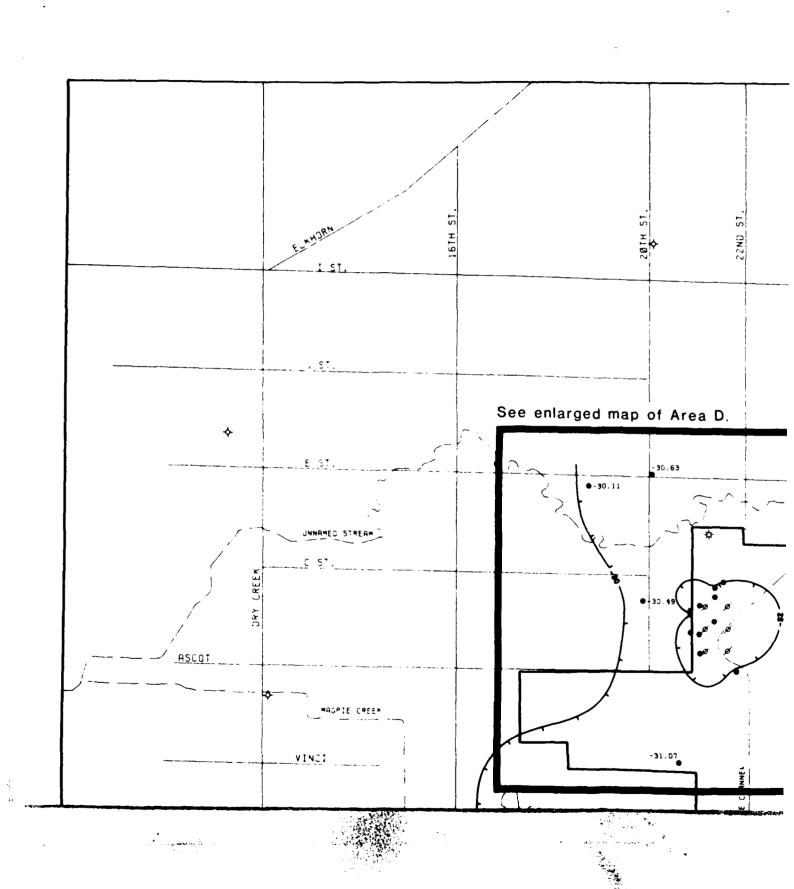


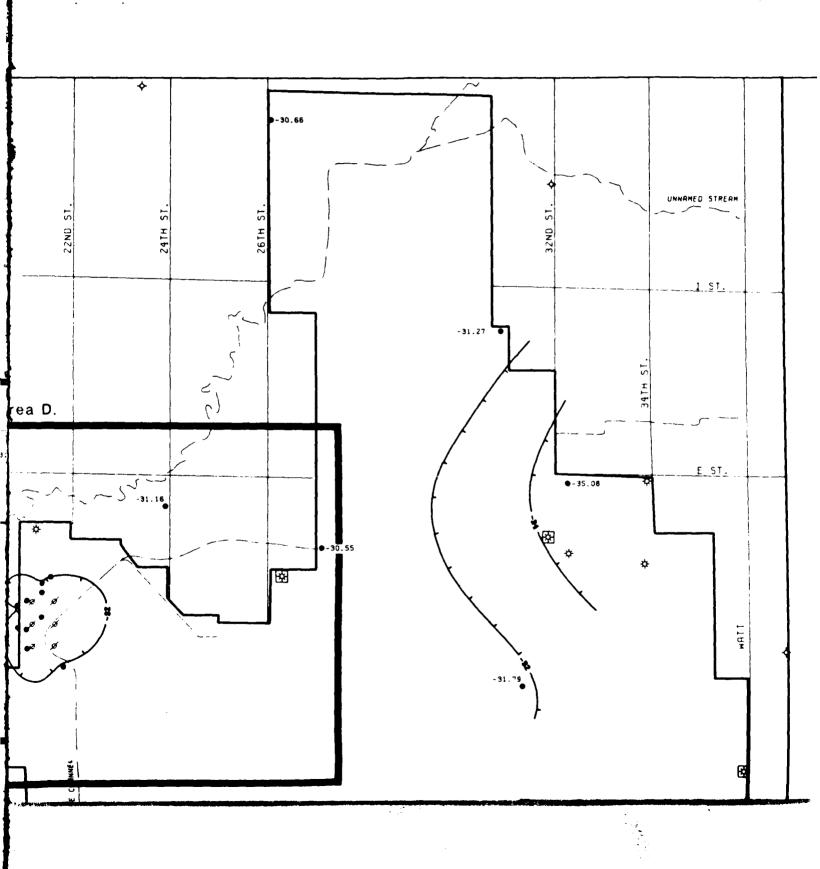


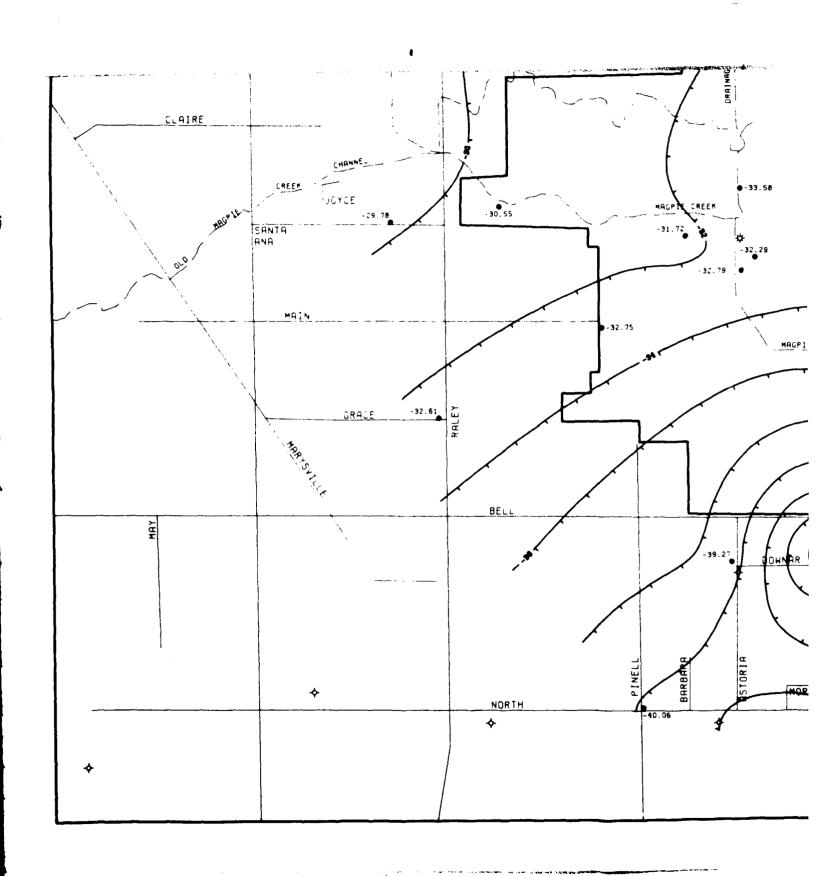












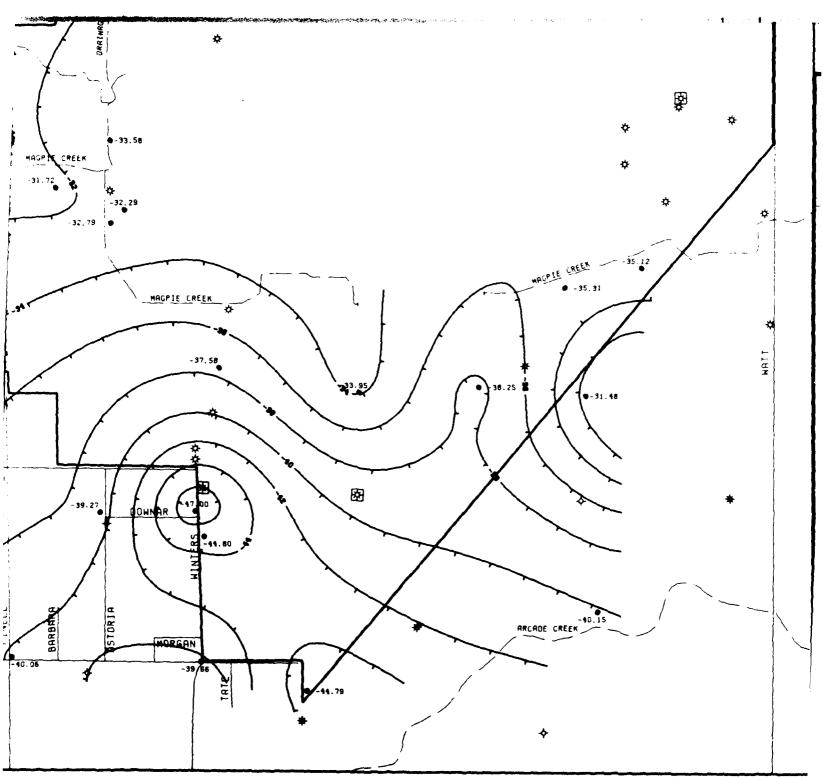


PLATE 4.
MIDDLE MONITORING ZONE
POTENTIOMETRIC SURFACE MAP
FOR DATA COLLECTED JUNE 29 - 30, 1988

McCLELLAN AFB July - September 1988 Data Summary

LEGEND

MCCUELLAN AFB BOUNCARY

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STREAMS

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POTENT OMETRIC CONTOUR LINE

AND ELEVATION FT MSLI

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MIDDLE ZONE MONITORING WELL

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HAST VE BASE PRODUCTION WELL
ACTIVE BASE PRODUCTION WELL

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1. Indu DATE : 12:58

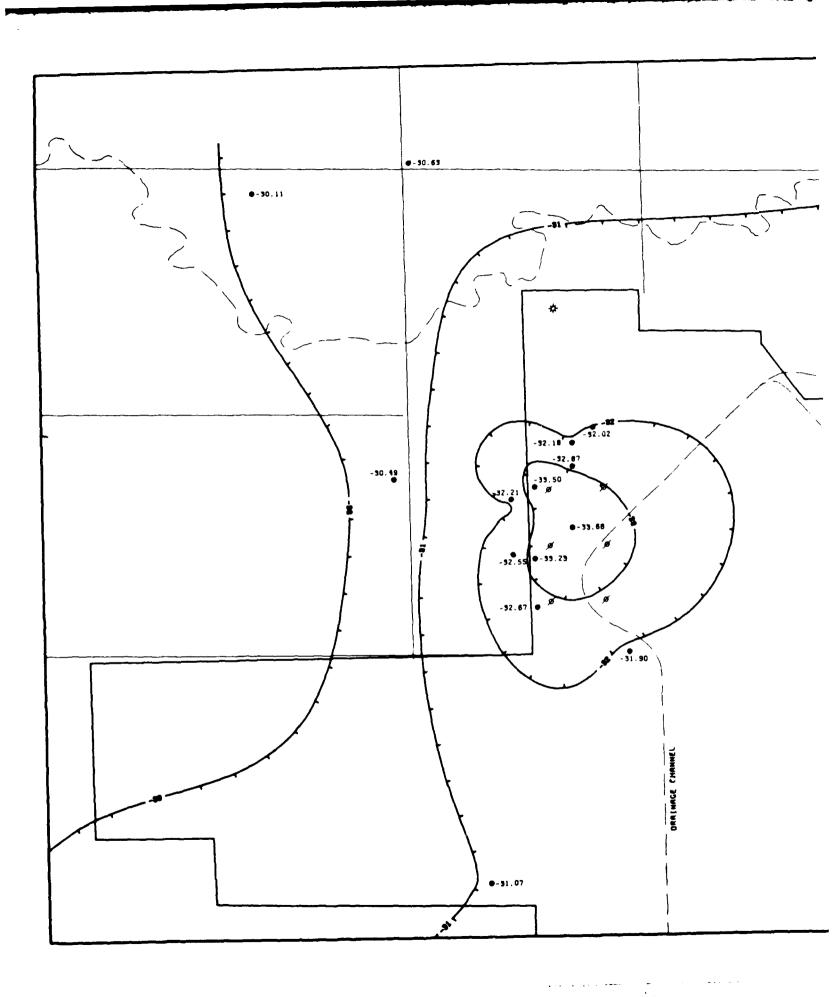
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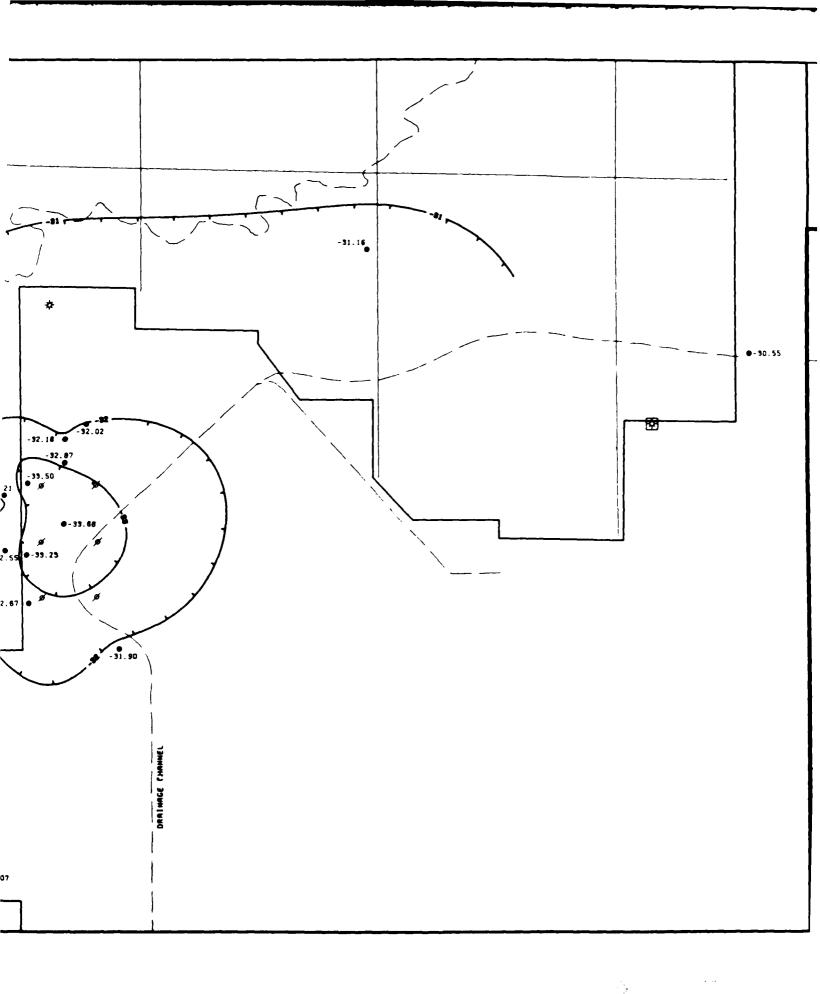
DATE 12-12-98

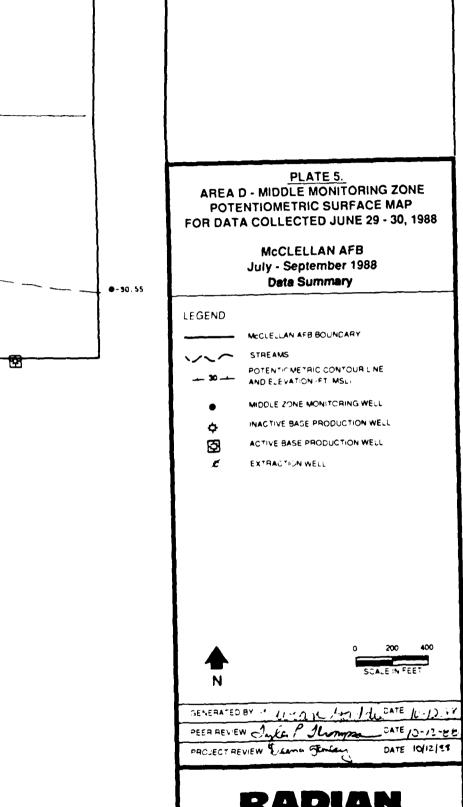
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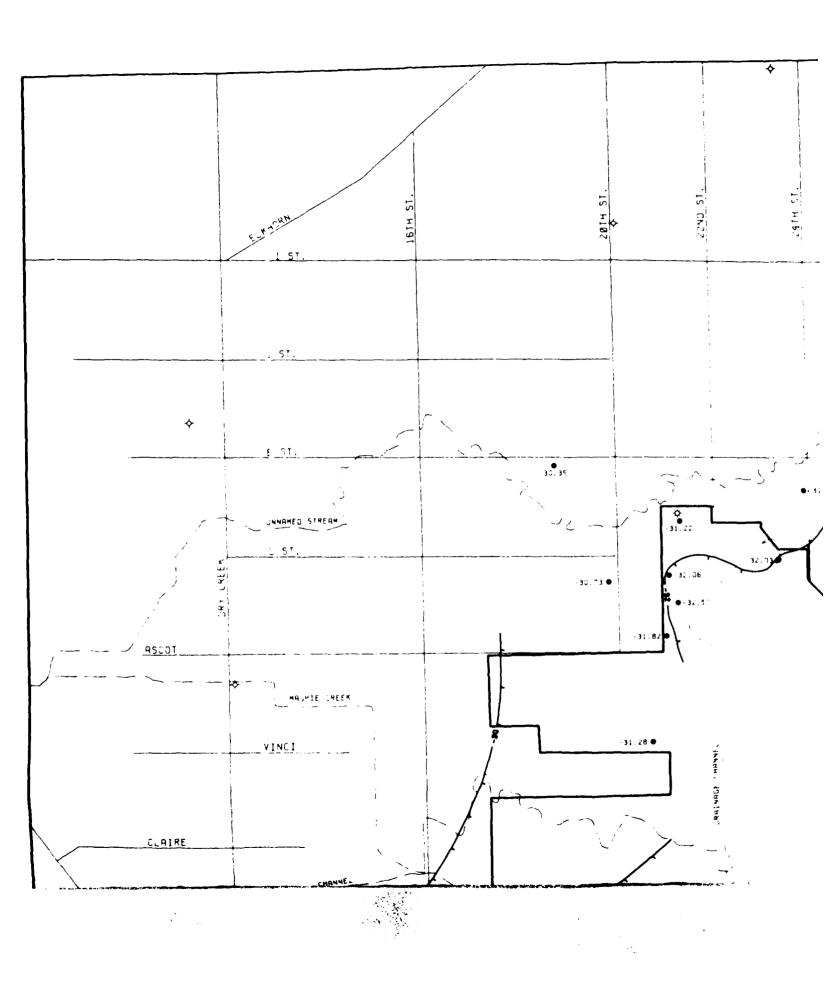
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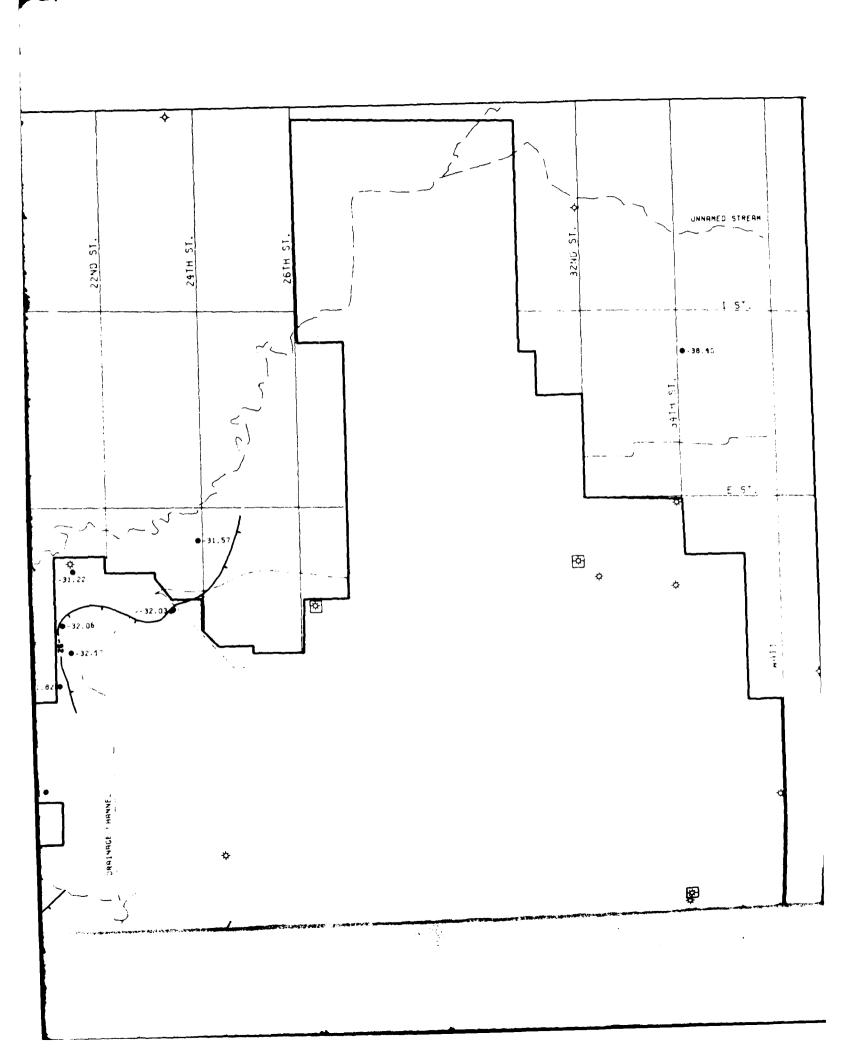
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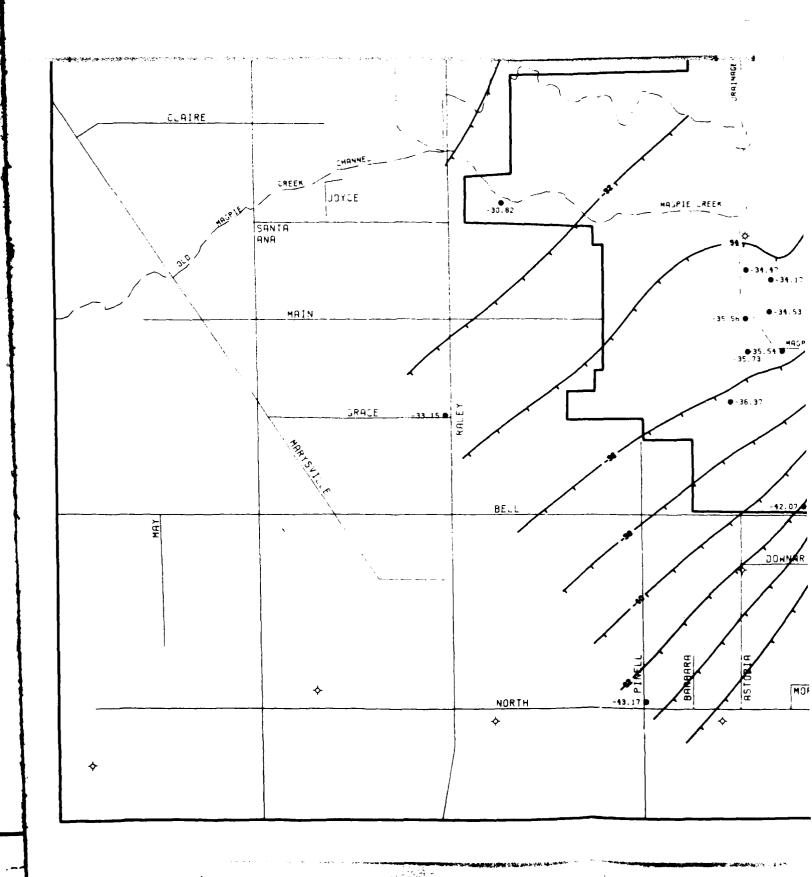


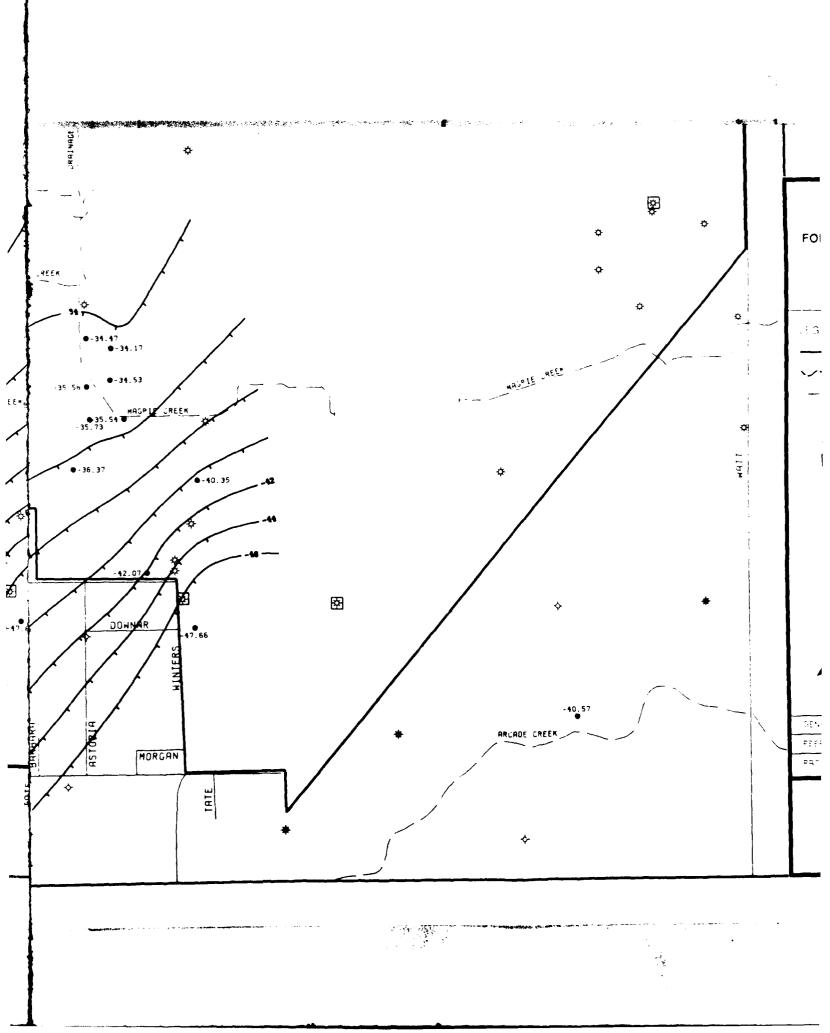


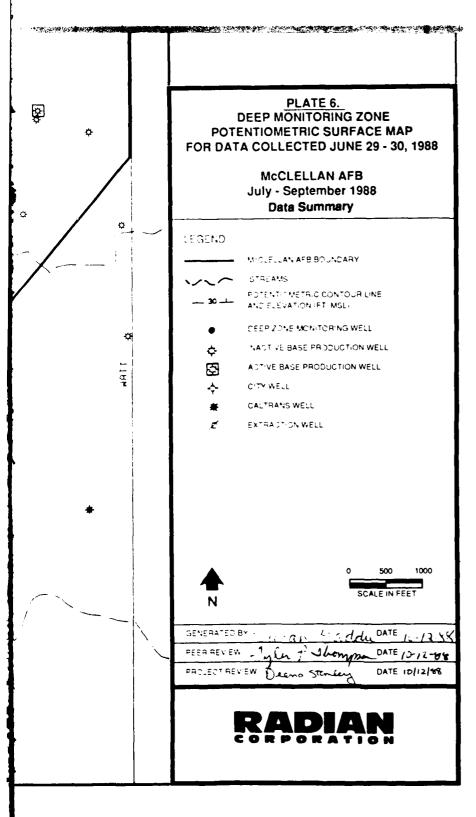




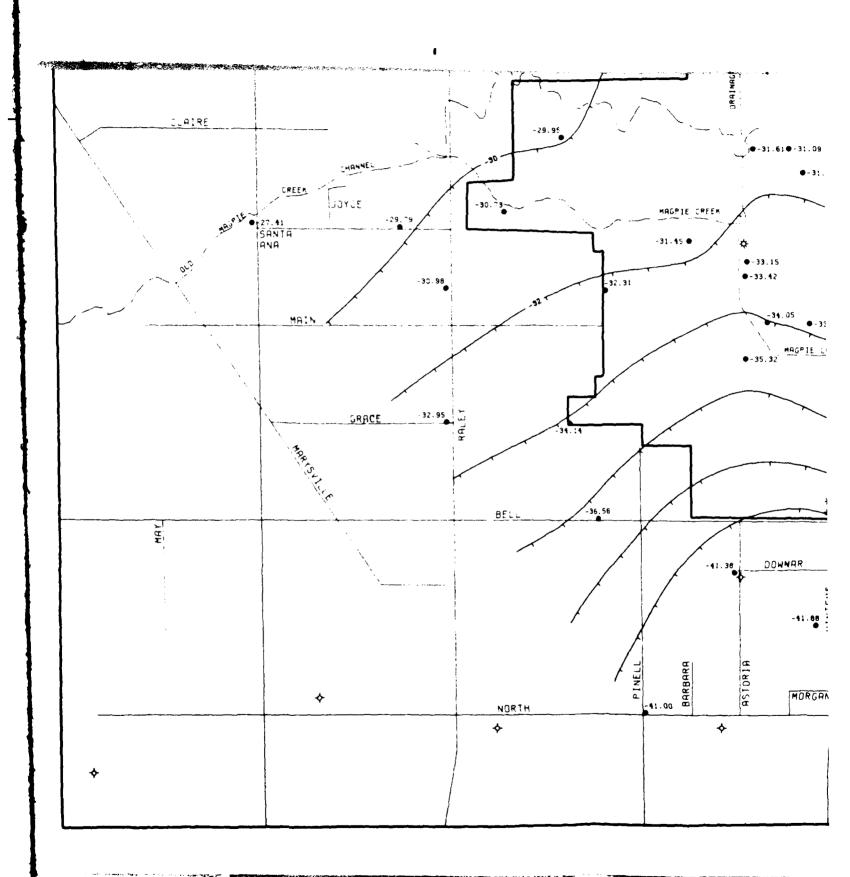


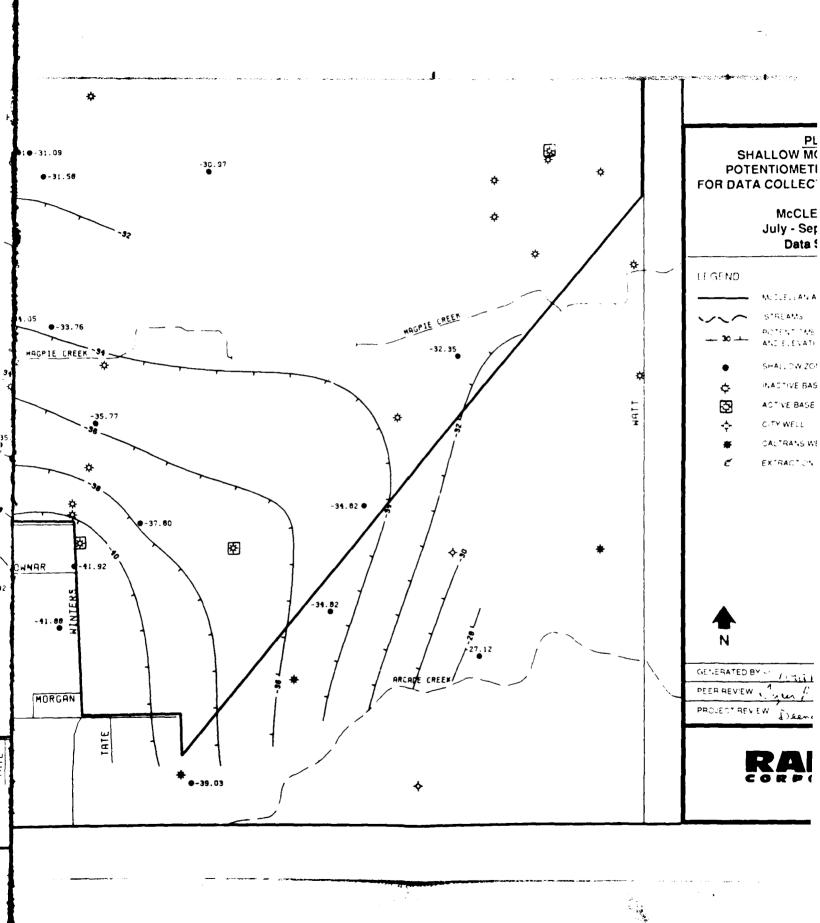


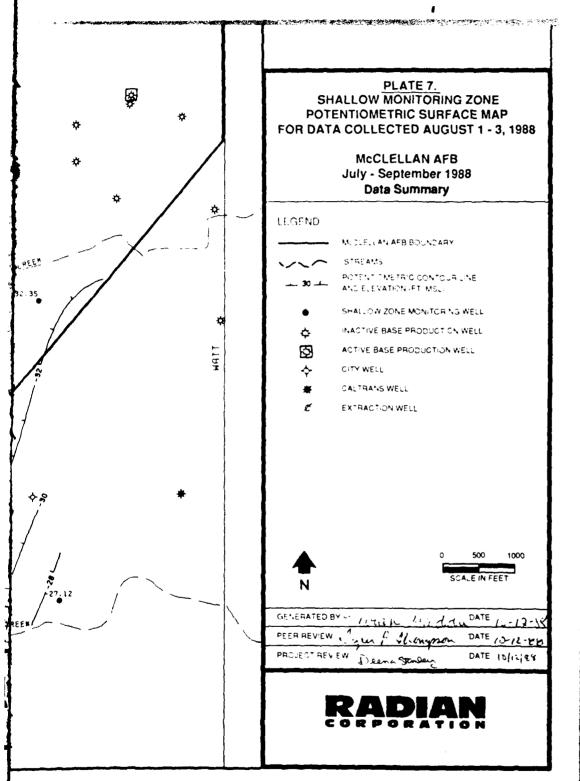


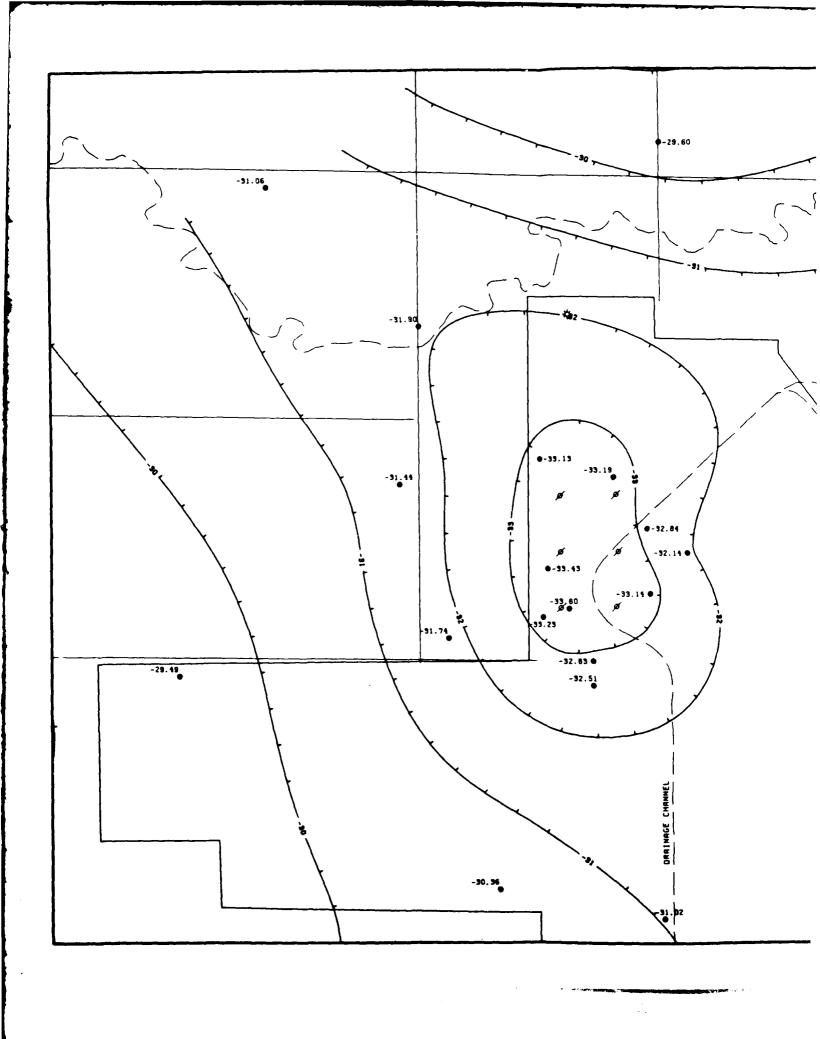


-31.64 UNNAMED STREAM 22ND ST. 24TH ST f Area D. 29.60 -30.98 函 图









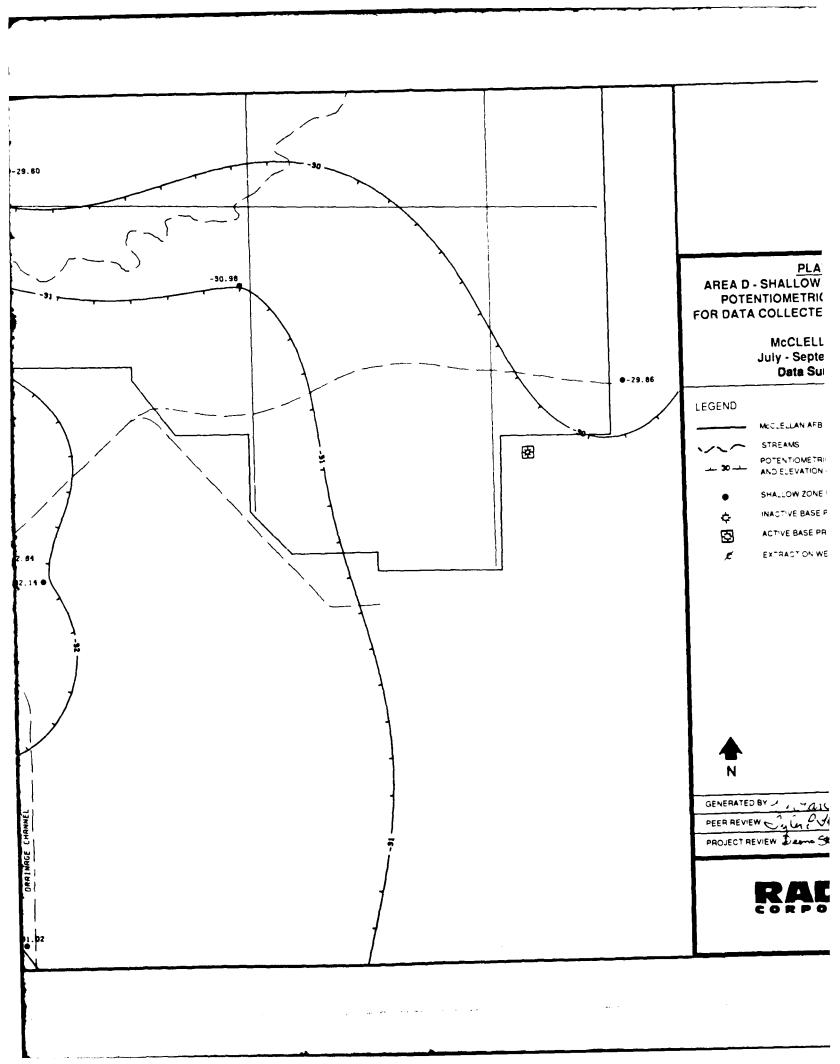


PLATE 8. AREA D - SHALLOW MONITORING ZONE POTENTIOMETRIC SURFACE MAP FOR DATA COLLECTED AUGUST 1 - 3, 1988

> McCLELLAN AFB July - September 1988 **Data Summary**

LEGEND

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McCLELLAN AFB BOUNDARY

POTENTIOMETRIC CONTOUR LINE AND ELEVATION (FT MSL)

SHALLOW ZONE MONITORING WELL

INACTIVE BASE PRODUCTION WELL

ACTIVE BASE PRODUCTION WELL

EXTRACTION WELL



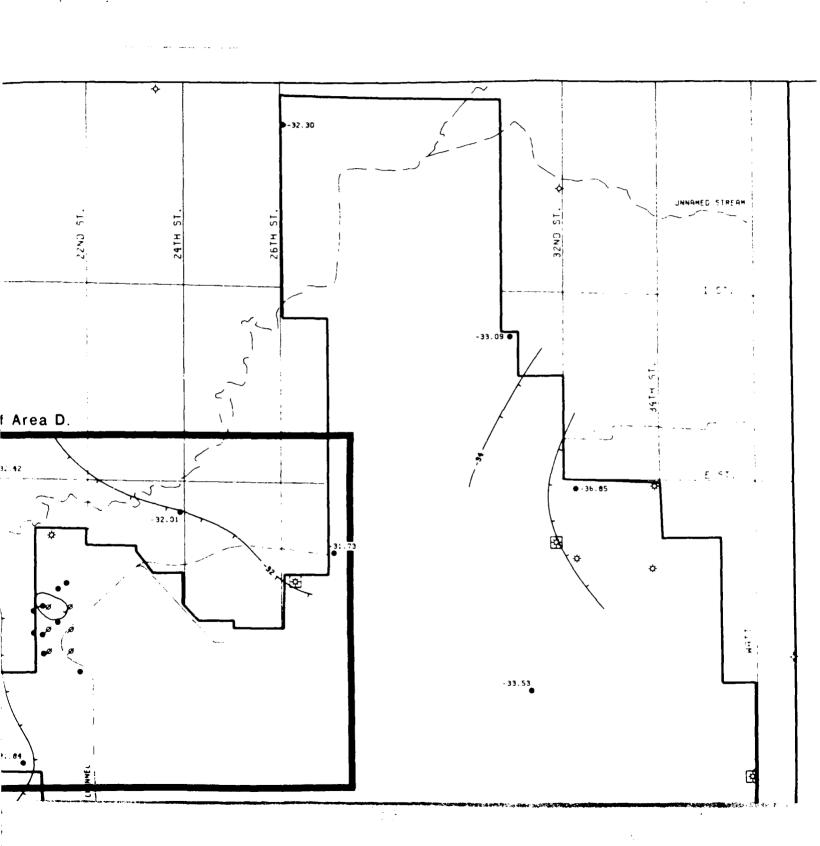
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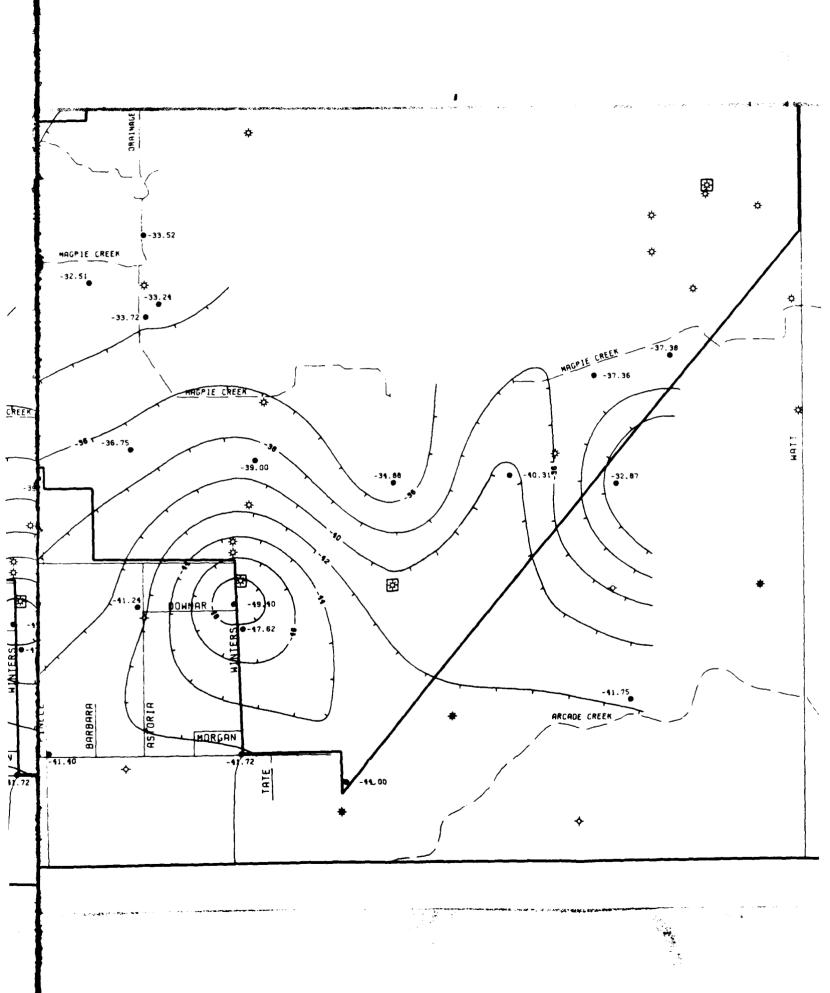
DATE /0-12-88

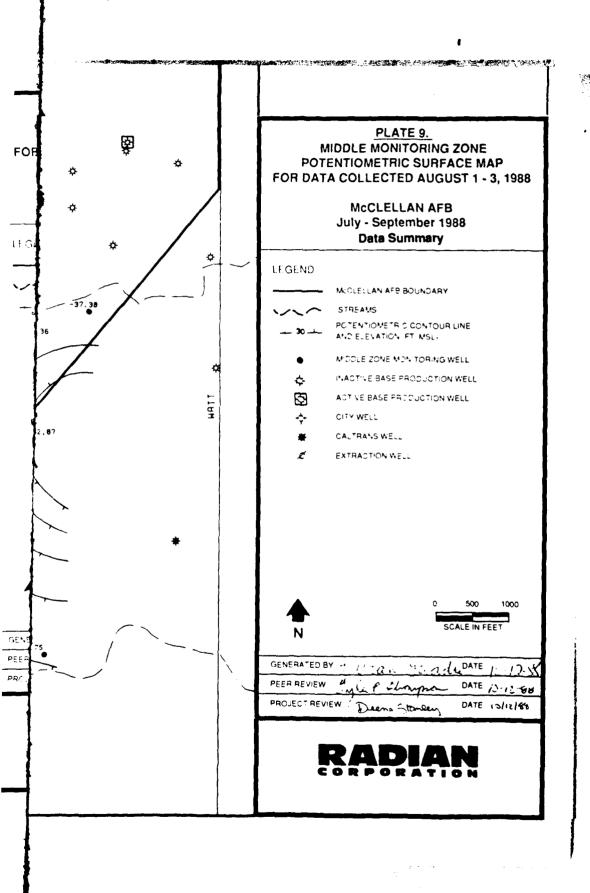
PROJECT REVIEW Deans Streen

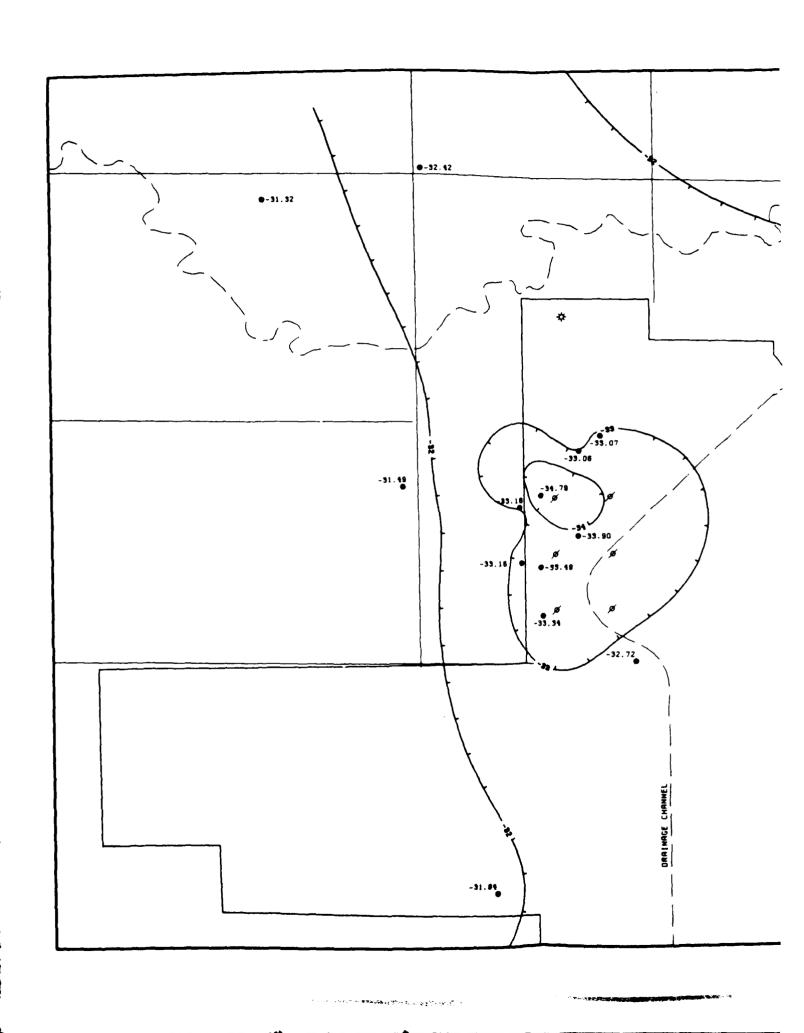
DATE IO/12/46

See enlarged map of Area D. VINCI









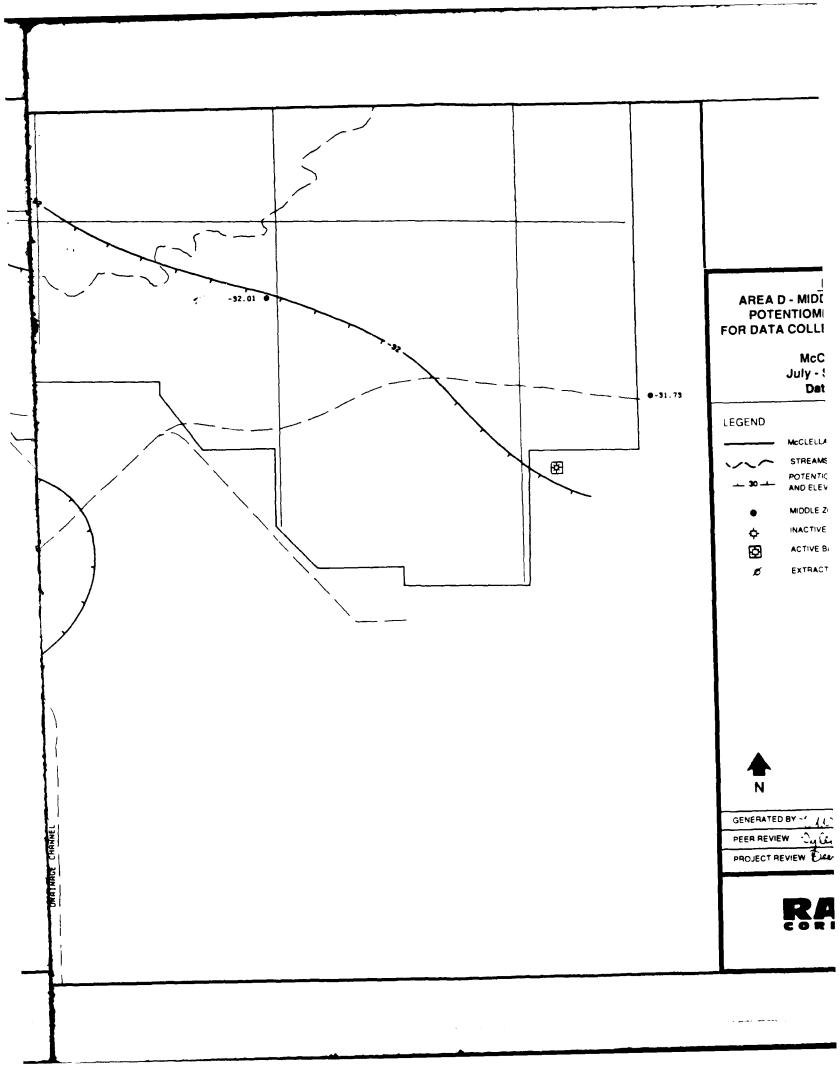


PLATE 10.

AREA D - MIDDLE MONITORING ZONE POTENTIOMETRIC SURFACE MAP FOR DATA COLLECTED AUGUST 1 - 3, 1988

McCLELLAN AFB
July - September 1988
Data Summary

LEGEND.

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McCLELLAN AFB BOUNDARY

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POTENTIOMETRIC CONTOUR LINE AND ELEVATION (FT MSL)

MIDDLE ZONE MONITORING WELL

NACTIVE BASE PRODUCTION WELL

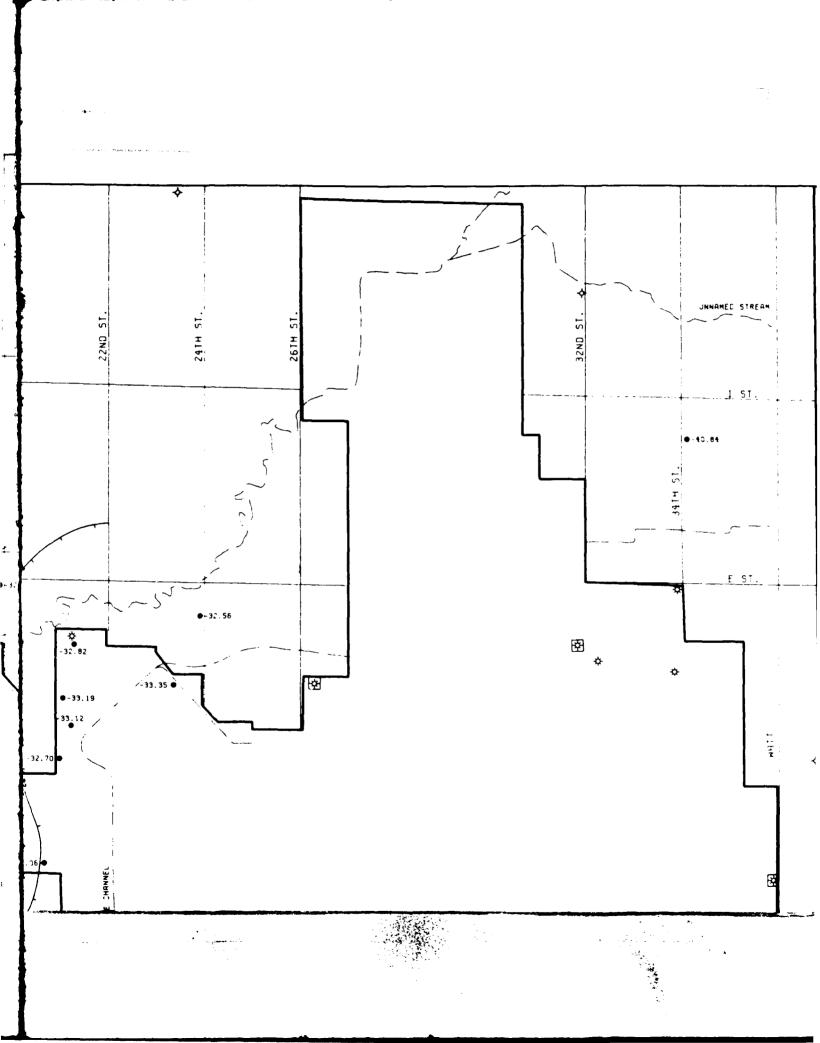
ACTIVE BASE PRODUCTION WELL

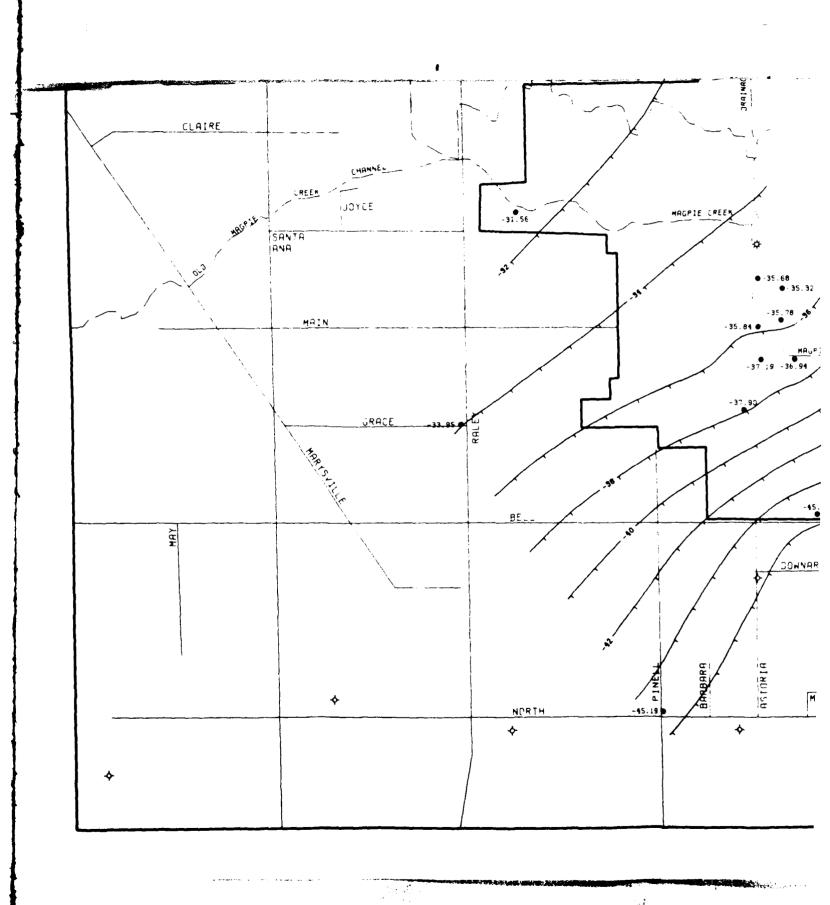
# EXTRACTION WELL

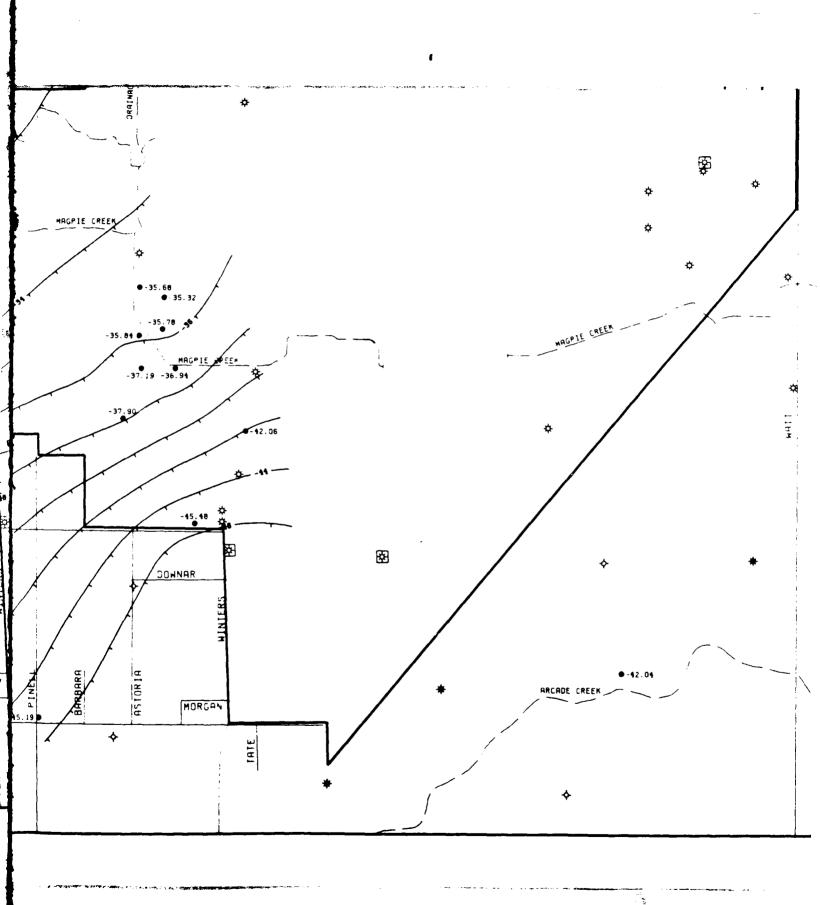
♠ N 0 200 40 SCALE IN FEET

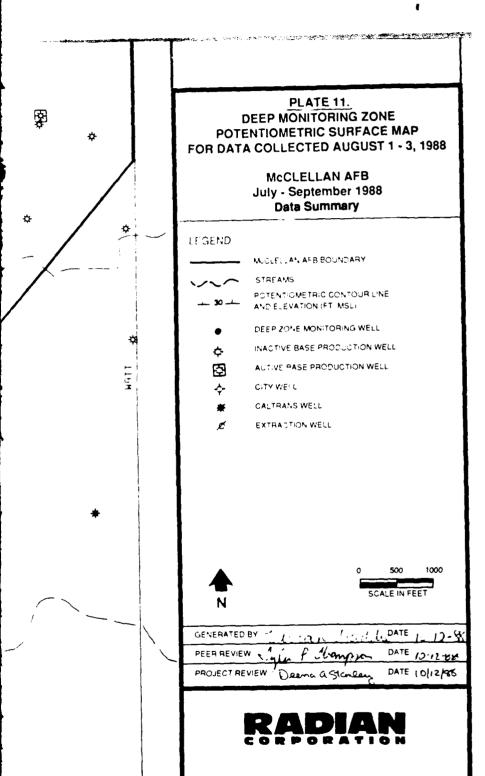
PROJECT REVIEW DEMOSTER. DATE 10/12/88

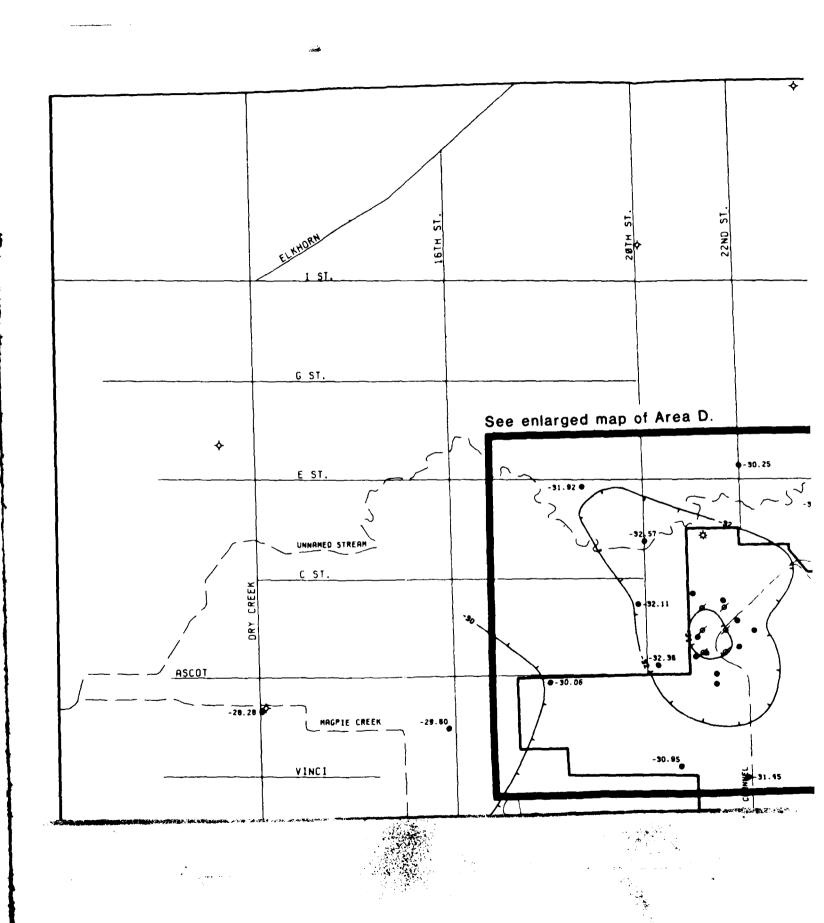
RADIAN

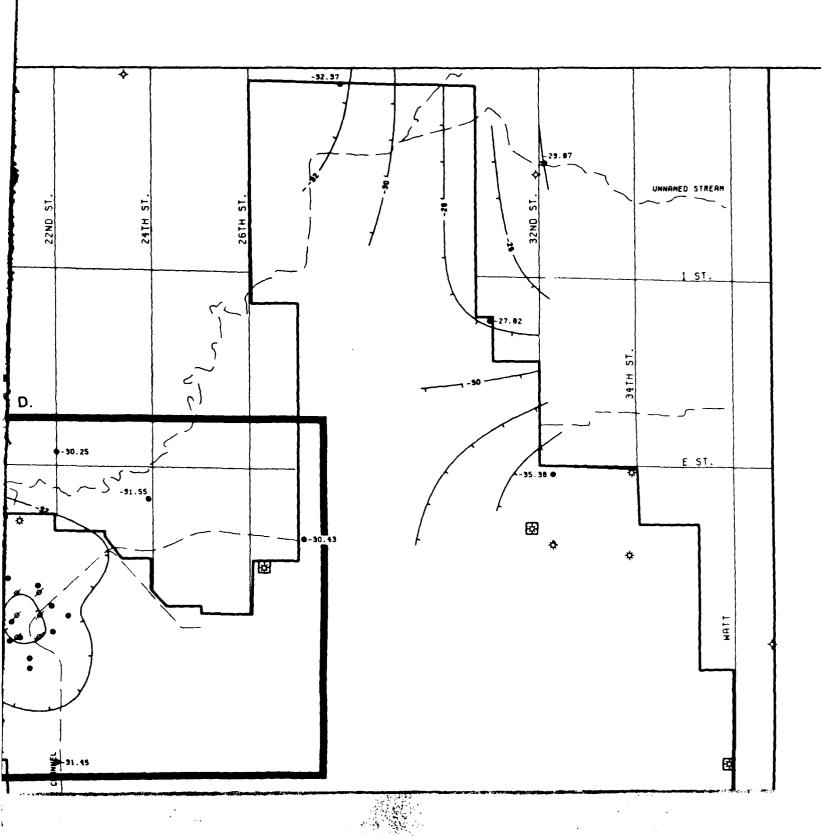






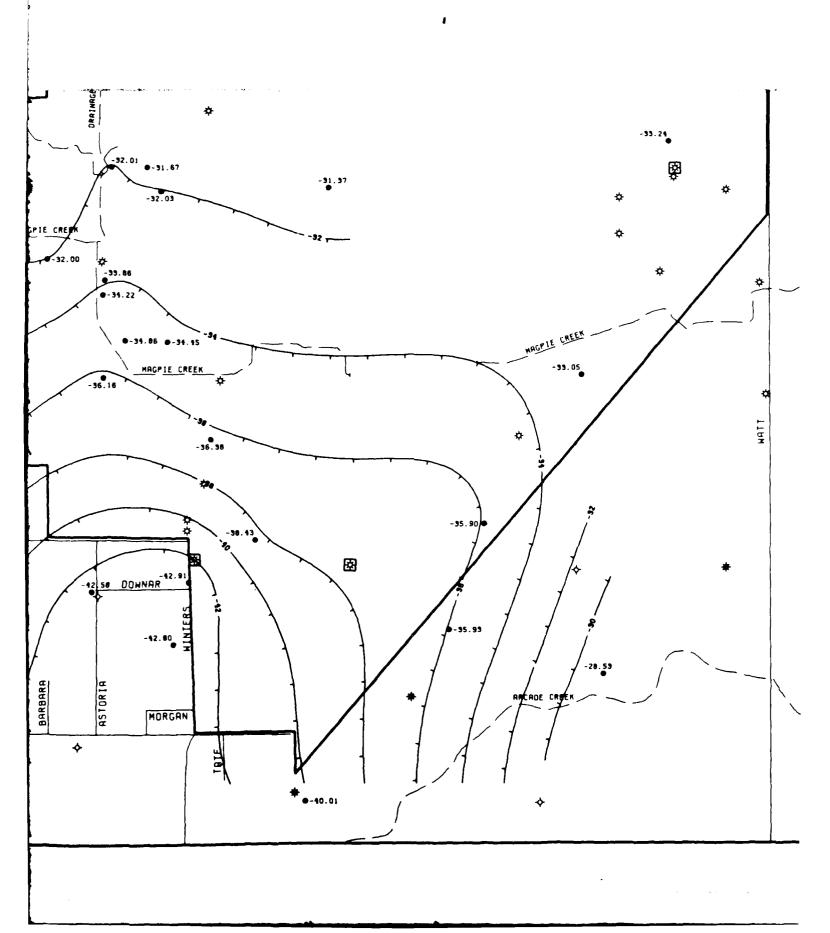


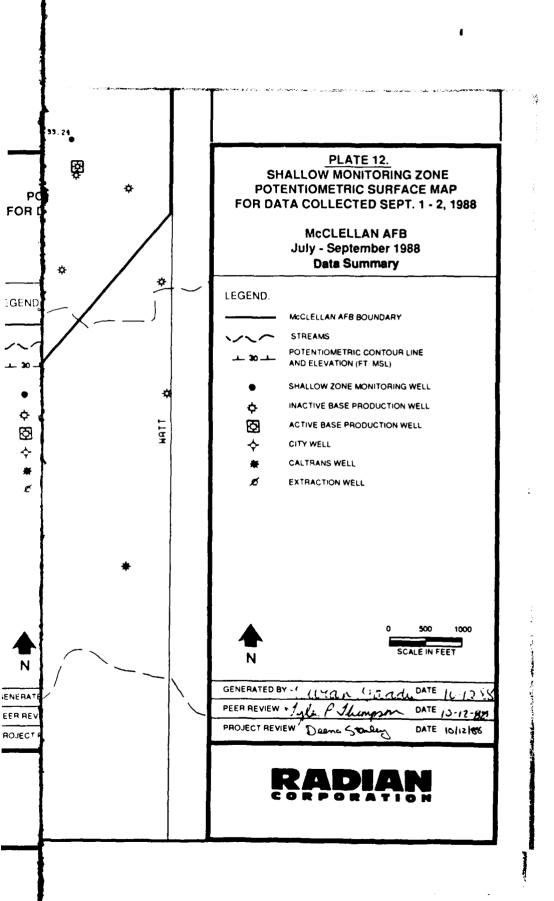


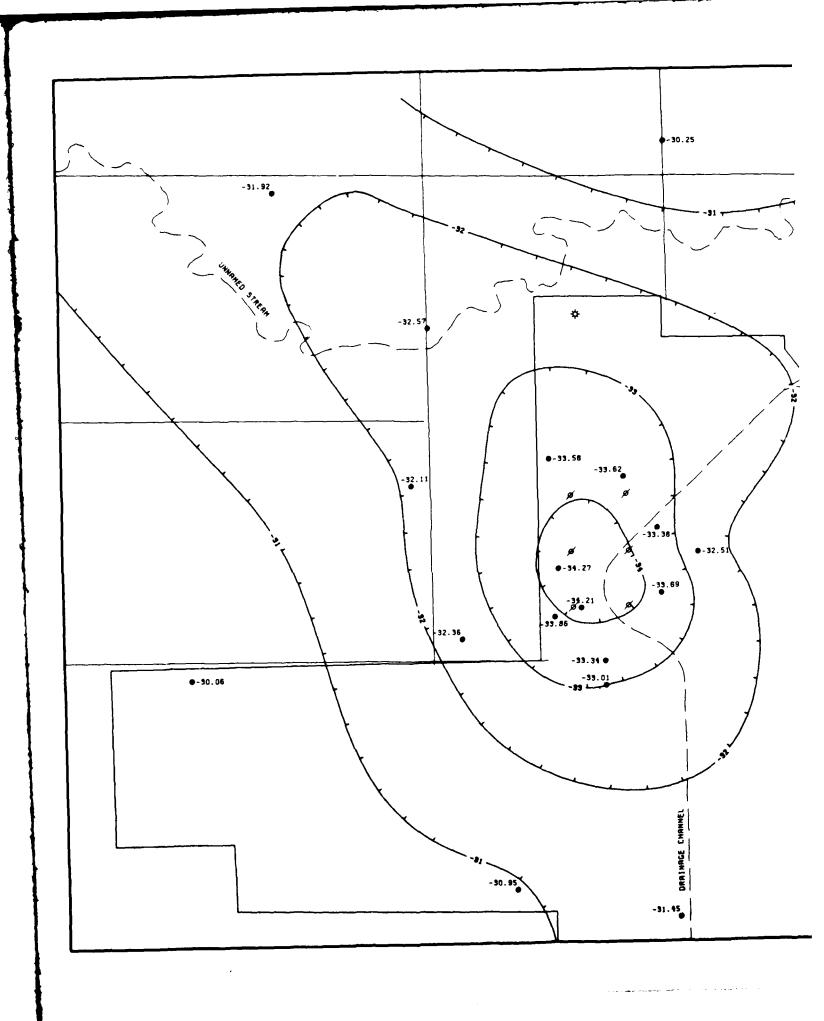


DRAINAGE CLAIRE -30.51 -32.01 CHANNEL -32.03 CREEK JOYCE MAGPIE CRES -30.24 27.81 SANTA ANA 010 - 92. 79 **●-34.86 ●-34.45** MAIN HAGPIE CREEK ALEY -33.50 GRACE - 97. 96 표 -42.9 -42.56 DOHNAR -42.80 BARBARA ASTOR 19 MORGAN ø NORTH ø

1. A 20000000 A 1000000 A 1000000 A 1000000 A 1000000 A 1000000 A 100000 A 100000 A 100000 A 100000 A 100000 A







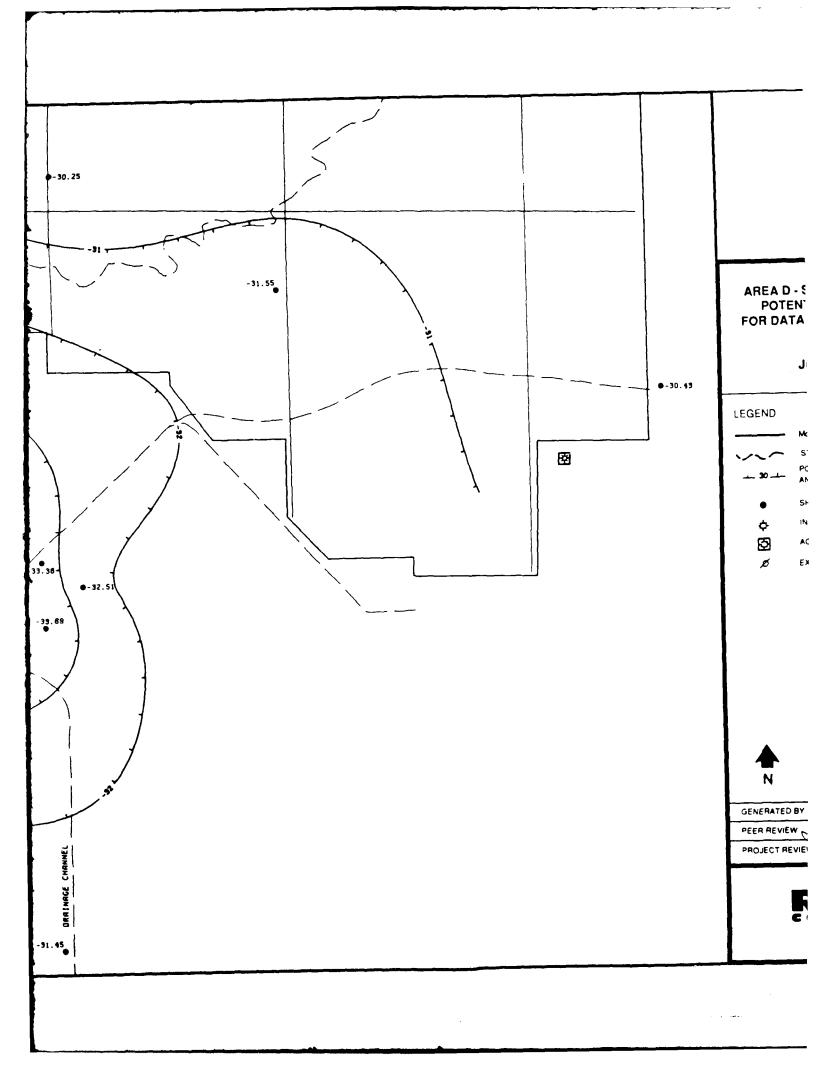


PLATE13. **AREA D - SHALLOW MONITORING ZONE** POTENTIOMETRIC SURFACE MAP FOR DATA COLLECTED SEPT. 1 - 2, 1988 McCLELLAN AFB July - September 1988 **Data Summary** LEGEND. McCLELLAN AFB BOUNDARY STREAMS POTENTIOMETRIC CONTOUR LINE AND ELEVATION (FT MSL) SHALLOW ZONE MONITORING WELL INACTIVE BASE PRODUCTION WELL ¢ ACTIVE BASE PRODUCTION WELL ② EXTRACTION WELL SCALE IN FEET GENERATED BY 1114an Haddi DATE DATE 10-12-86 PROJECT REVIEW Beans Somley DATE 10/12/88

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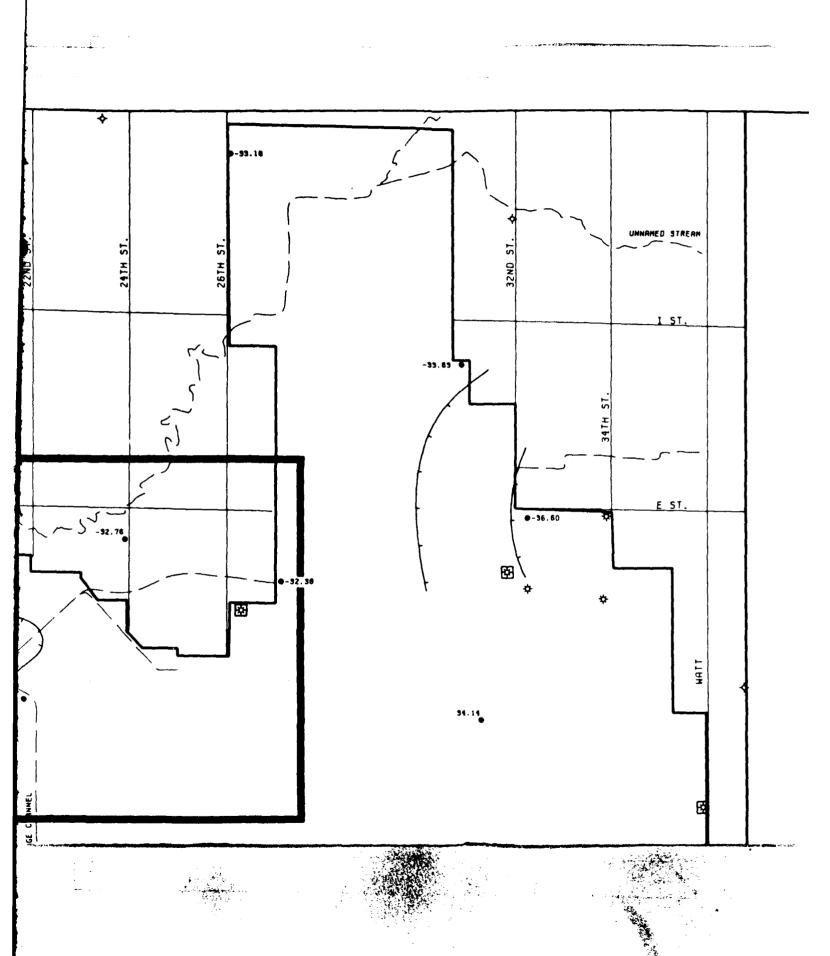
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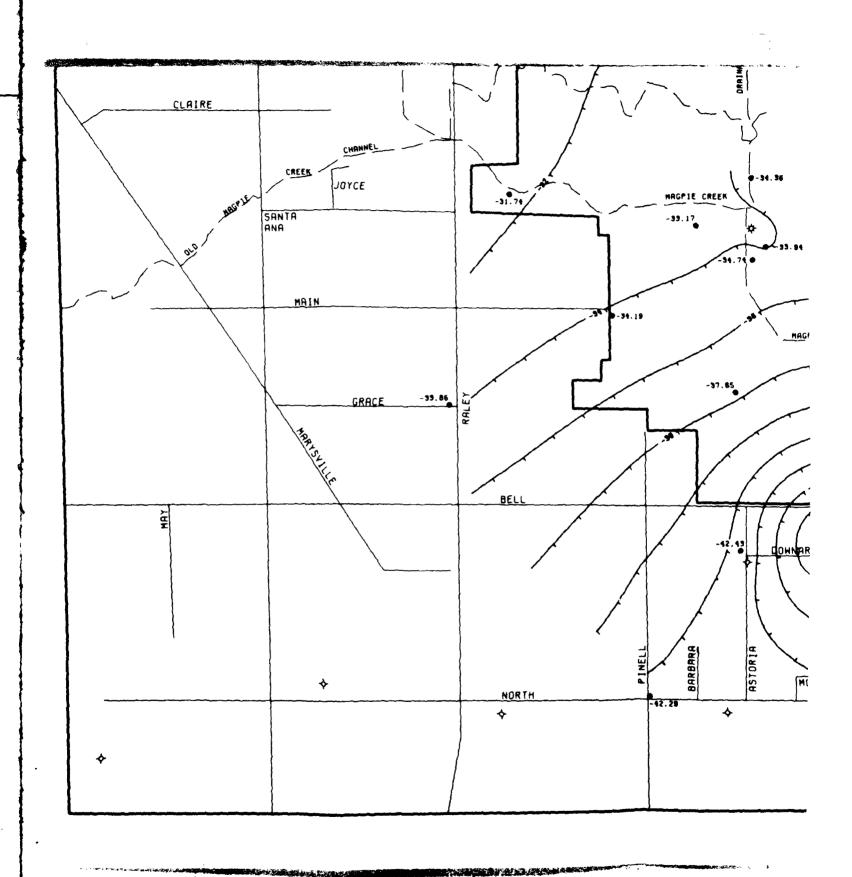
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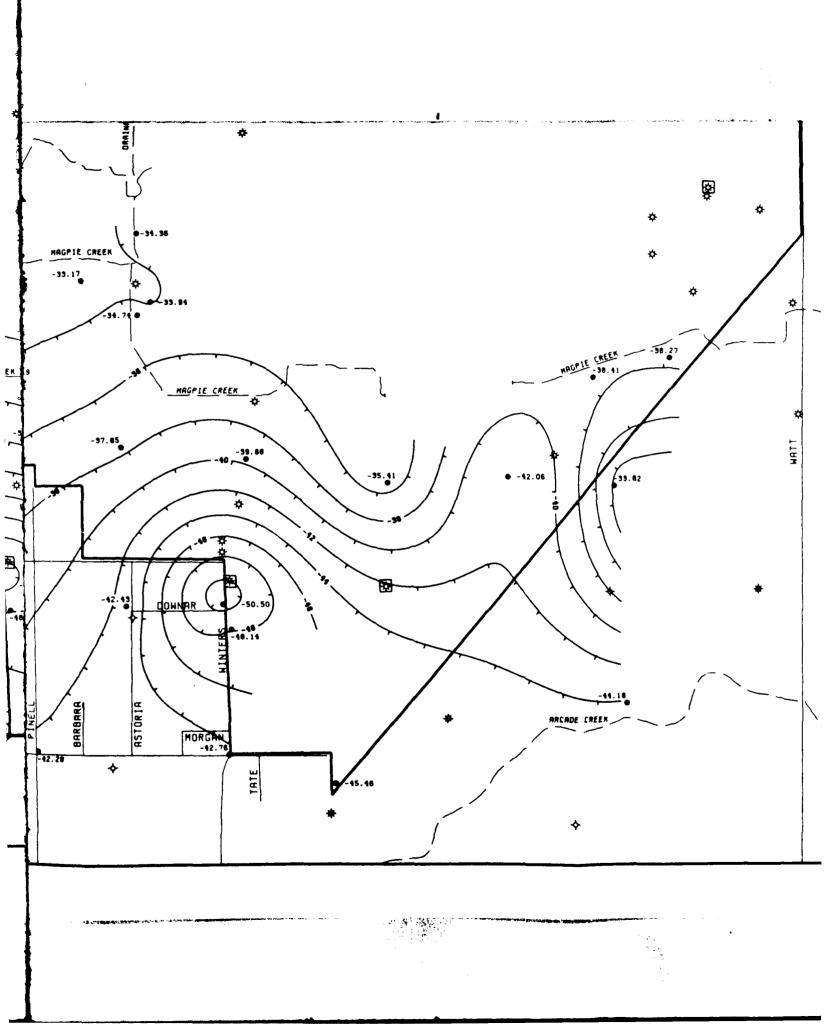
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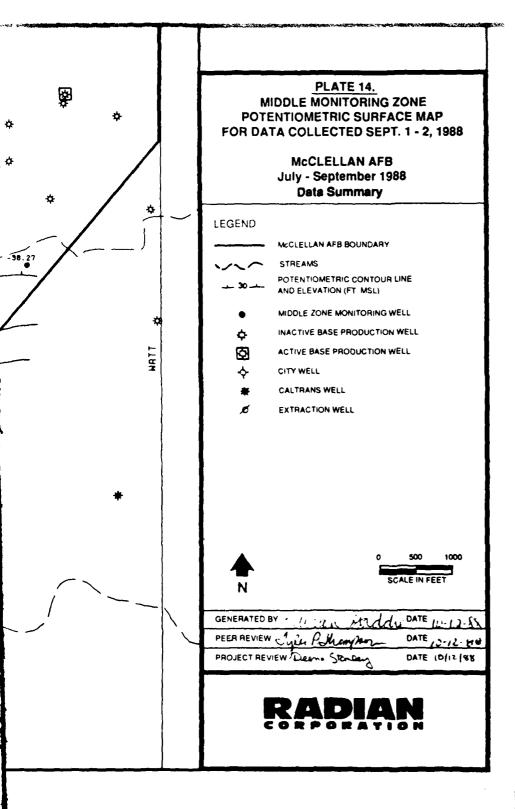
A.E.

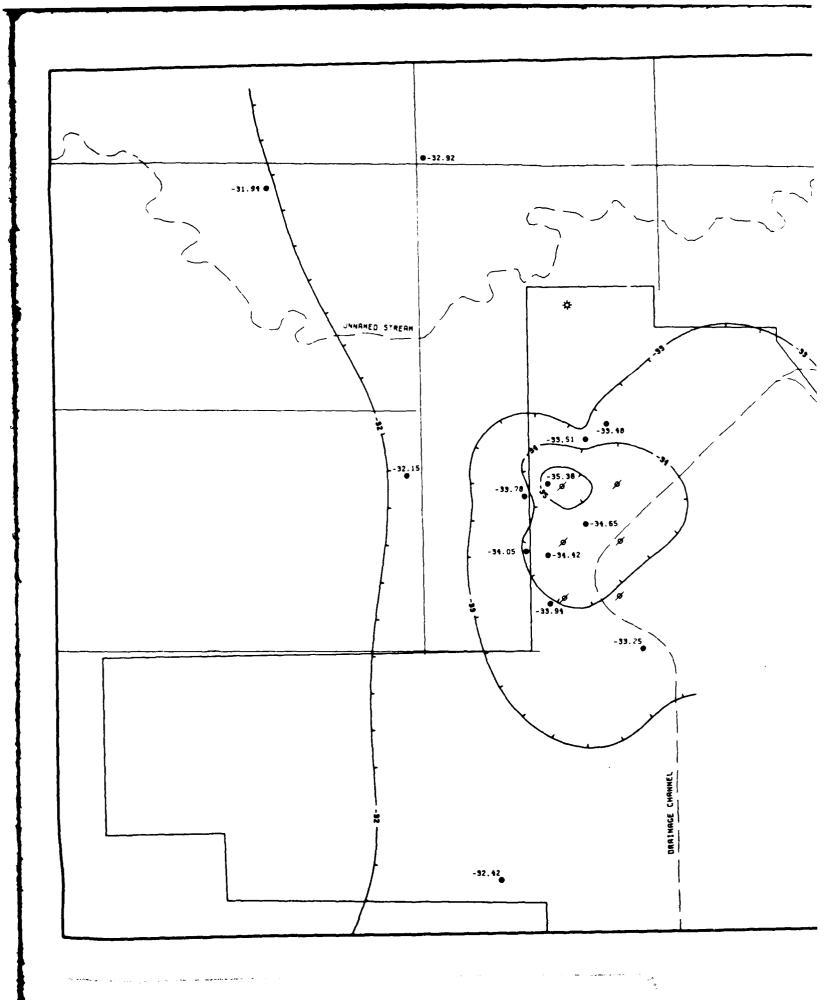
G ST. See enlarged map of Area D. -32.92 UNNAMED STREAM C ST. ASC01 MAGPIE CREEK -32.12 VINCI











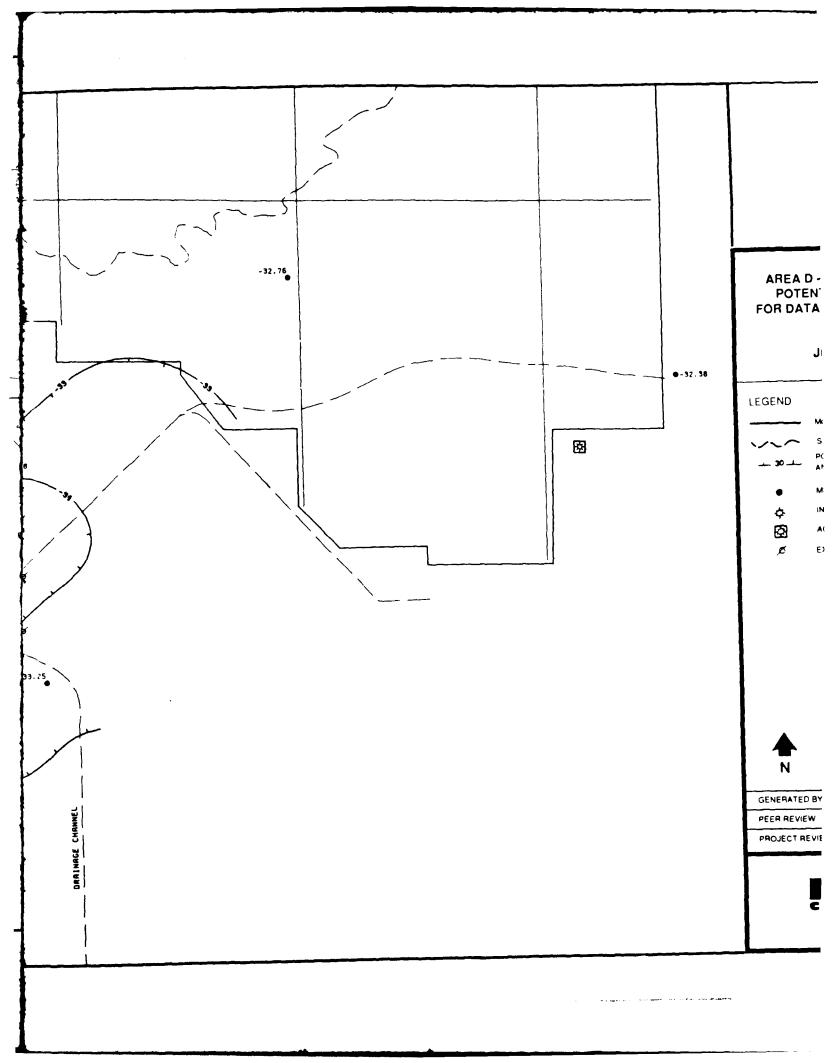


PLATE 15.

AREA D - MIDDLE MONITORING ZONE
POTENTIOMETRIC SURFACE MAP
FOR DATA COLLECTED SEPT. 1 - 2, 1988

McCLELLAN AFB
July - September 1988
Data Summary

LEGEND

●-32.38

McCLELLAN AFB BOUNDARY

/ STREAMS

POTENTIOMETRIC CONTOUR LINE AND ELEVATION (FT MSL)

MIDDLE ZONE MONITORING WELL

NACTIVE BASE PRODUCTION WELL

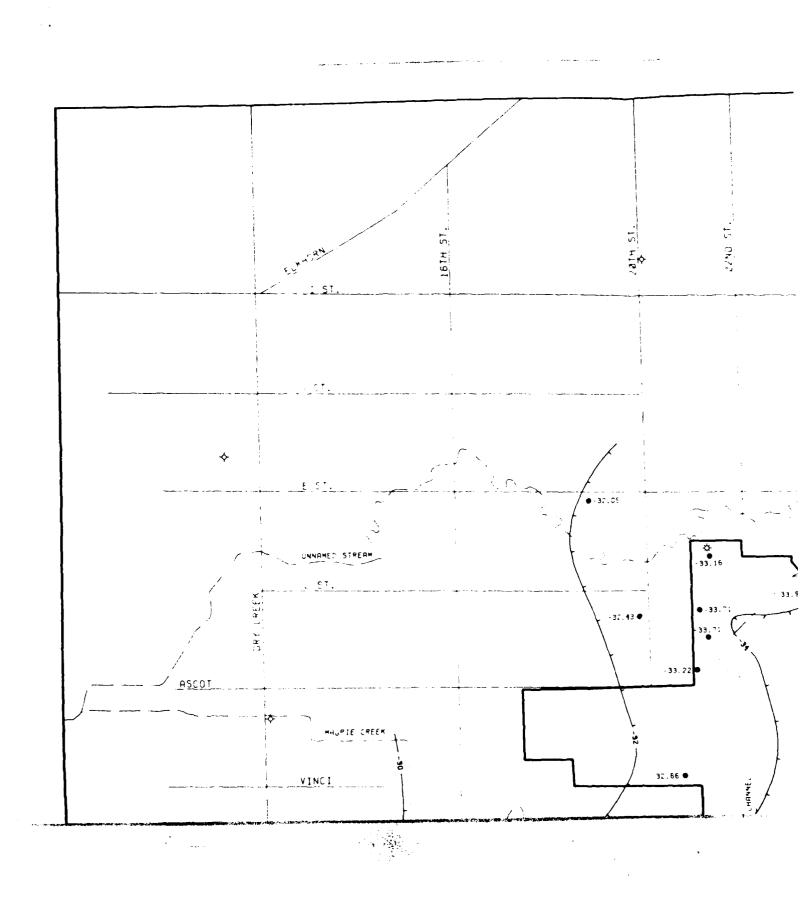
ACTIVE BASE PRODUCTION WELL

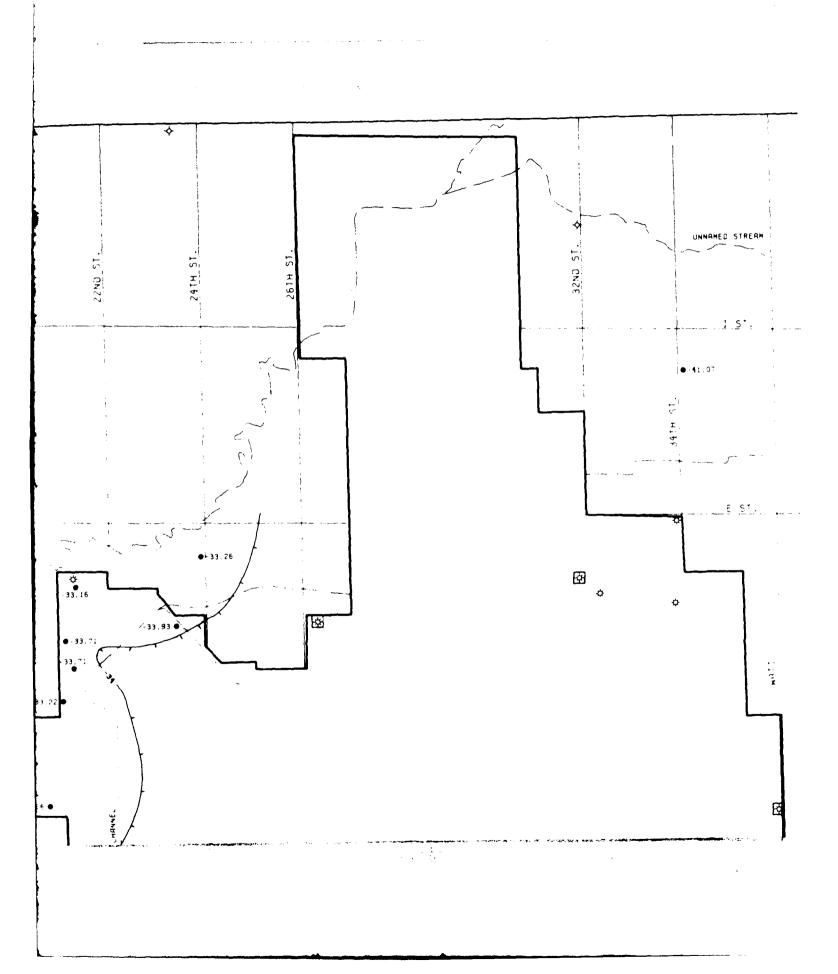
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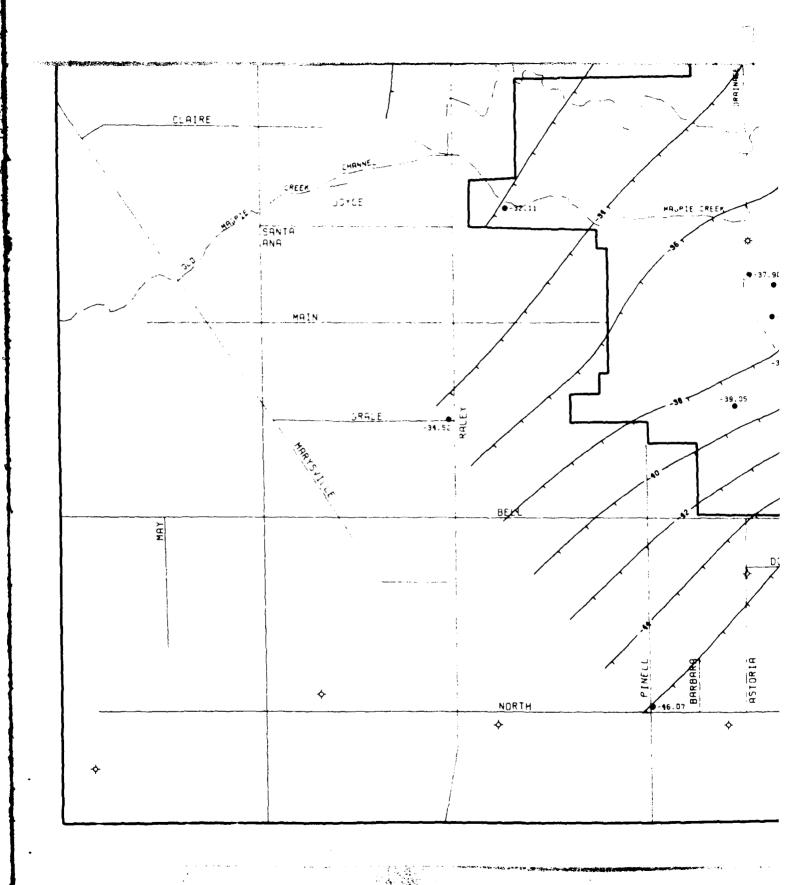
0 200 400 SCALE IN FEET

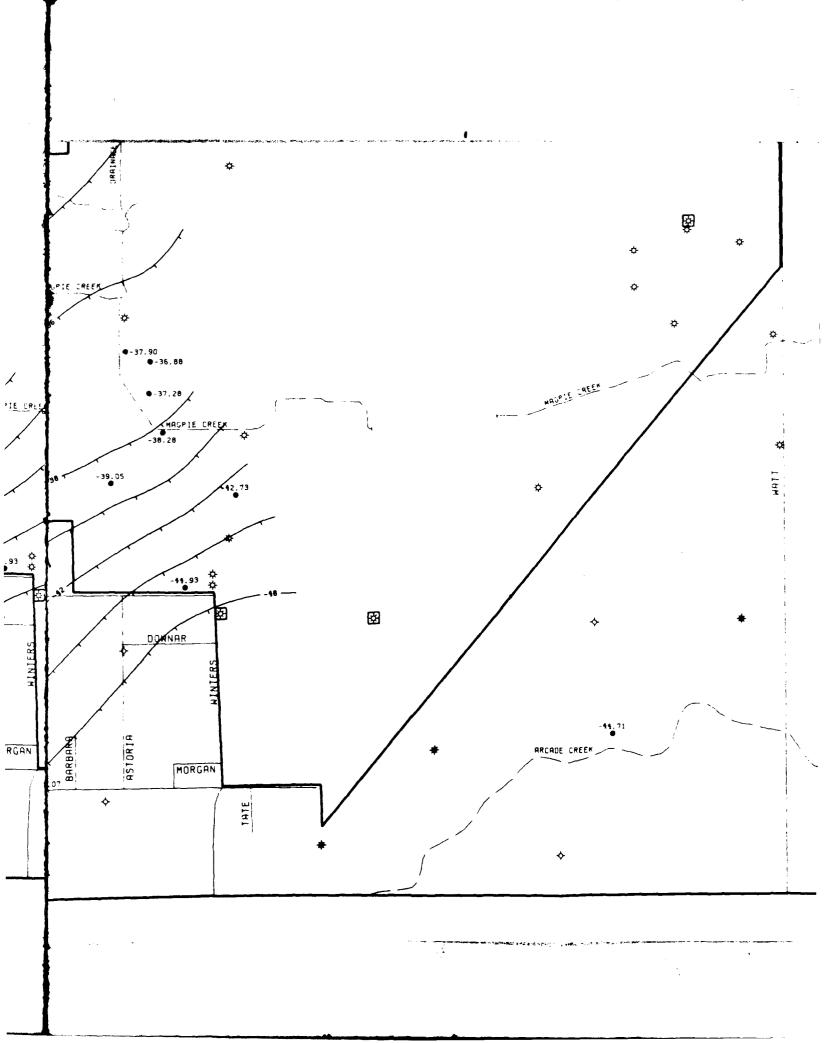
PEER REVIEW Sign Policy DATE 10/12/08
PROJECT REVIEW Deen Stories DATE 10/12/08

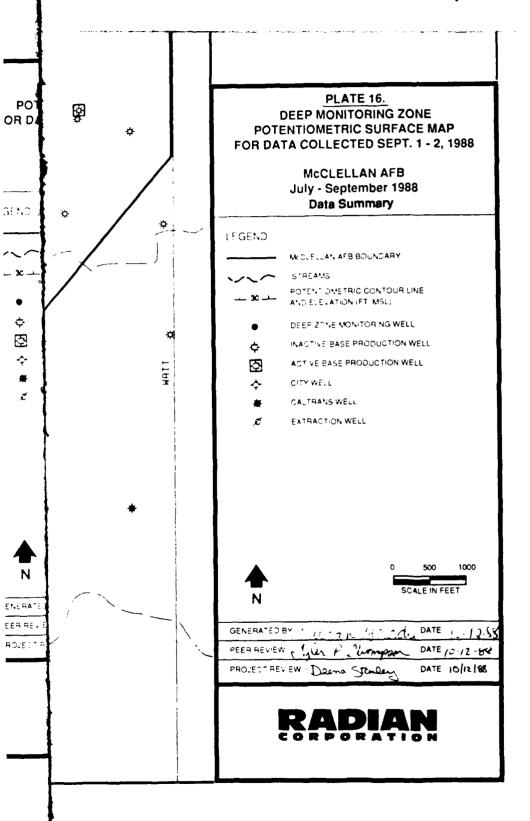
RADIAN





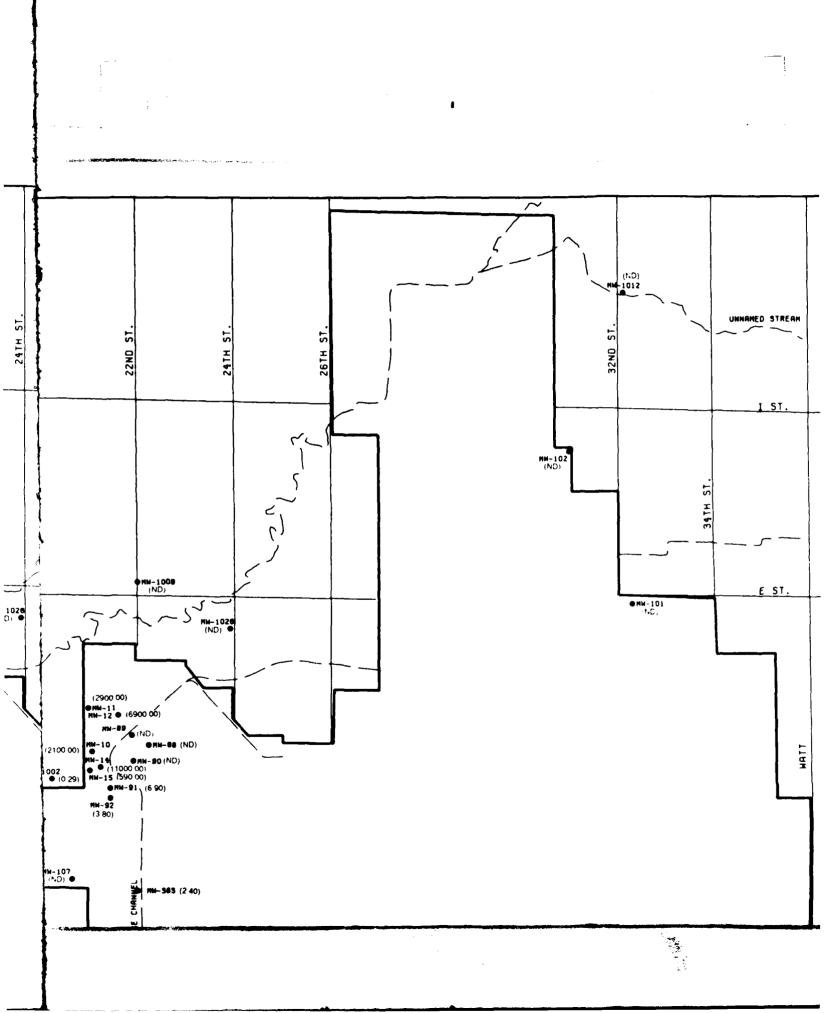


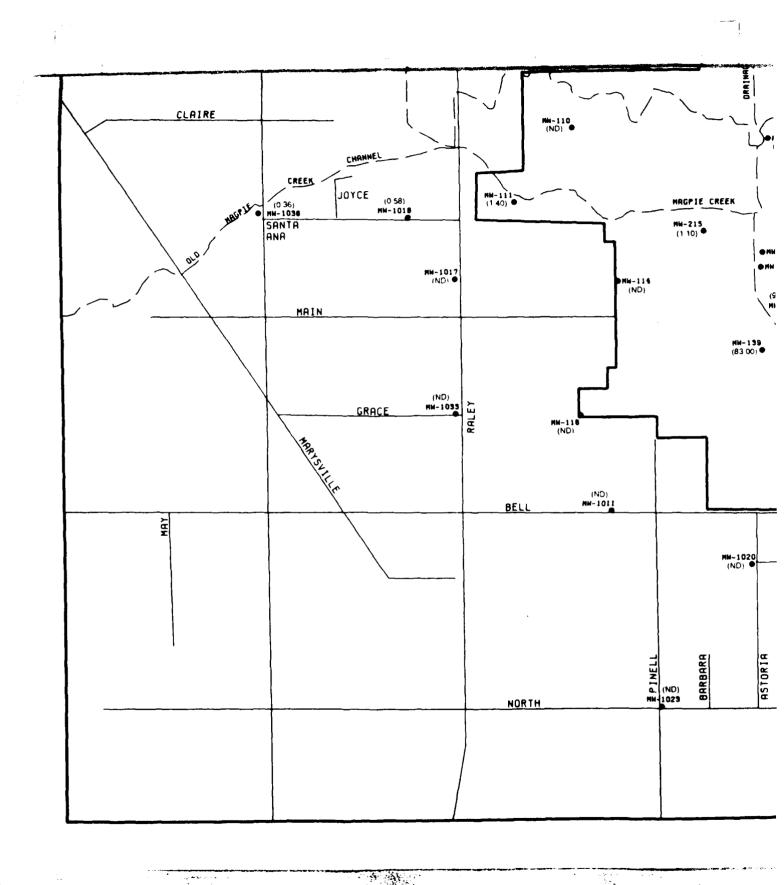


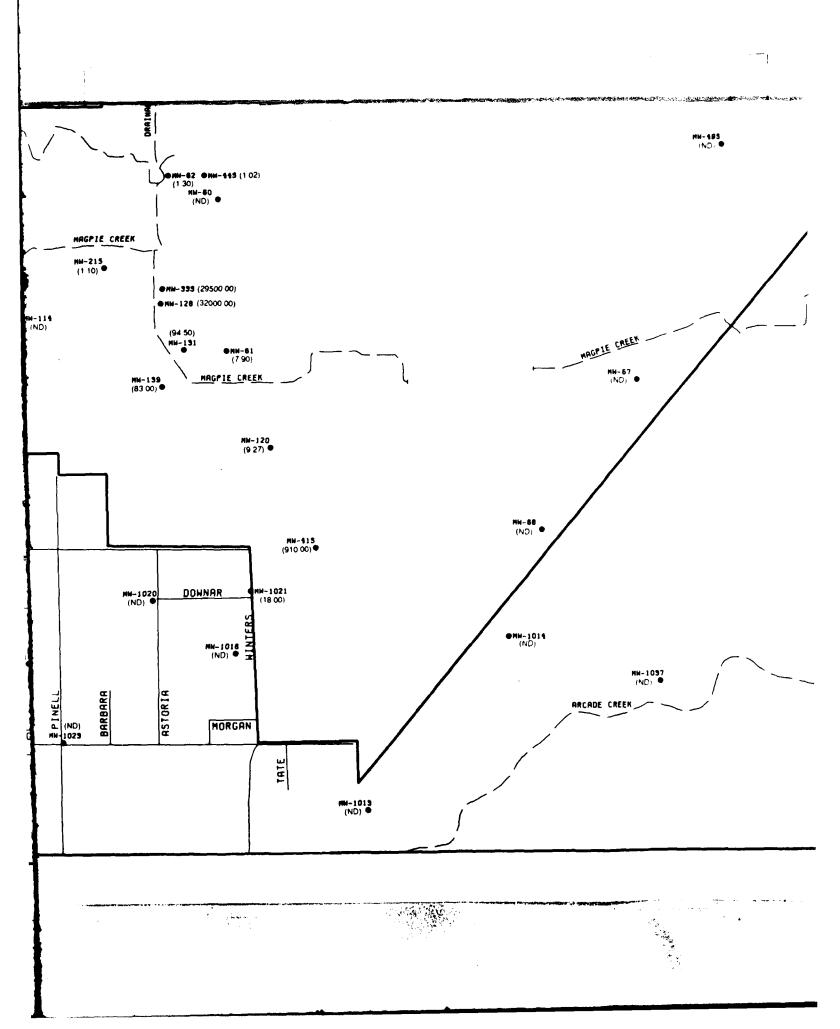


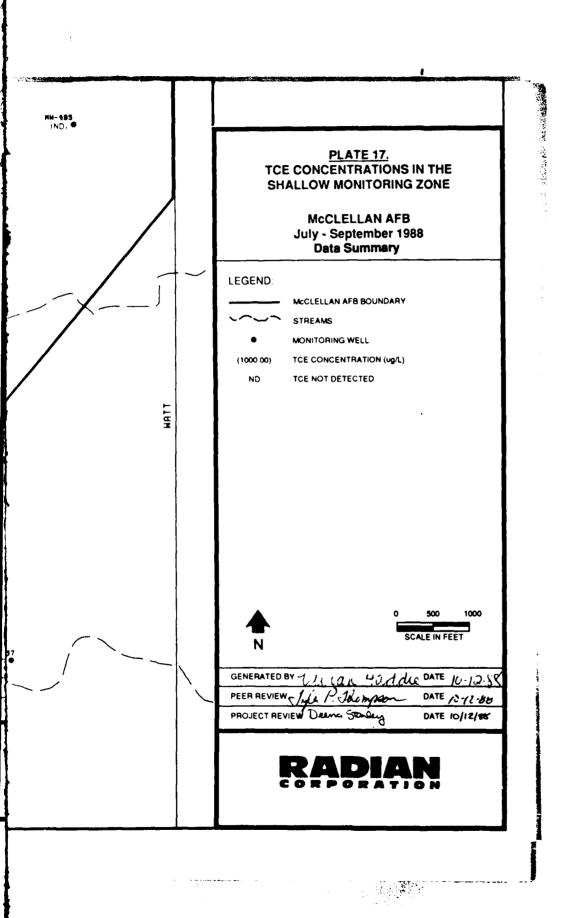
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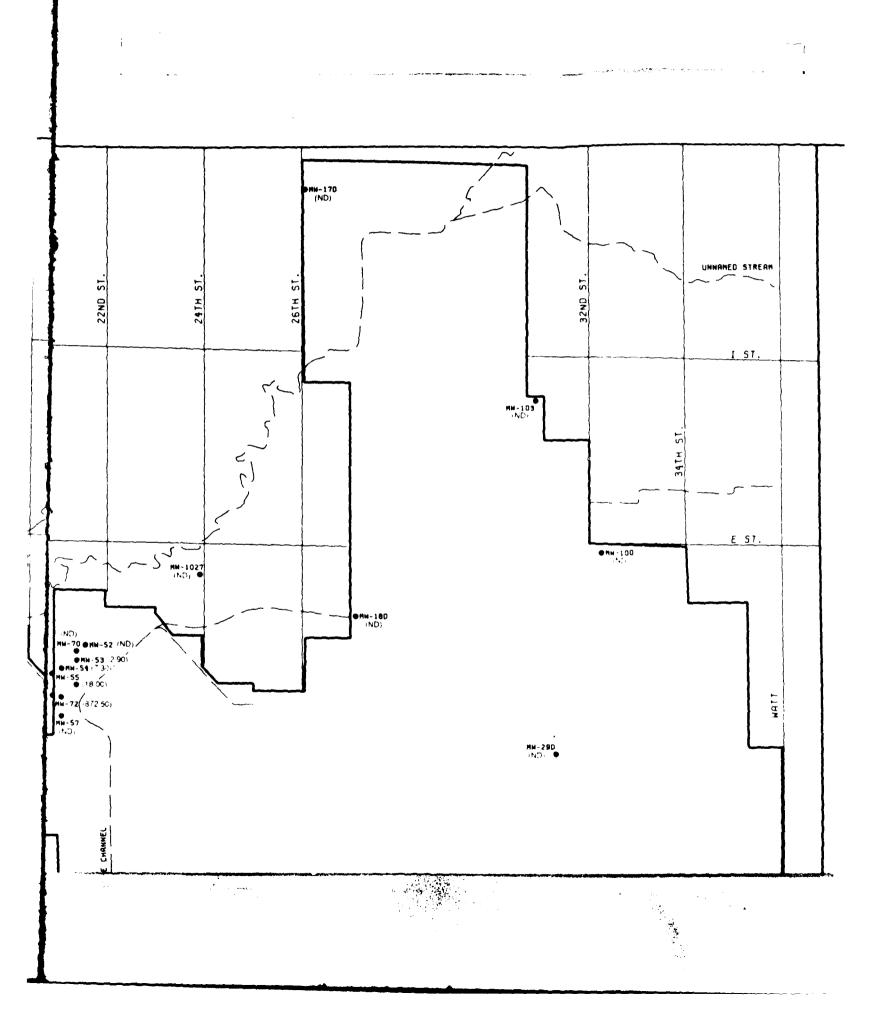


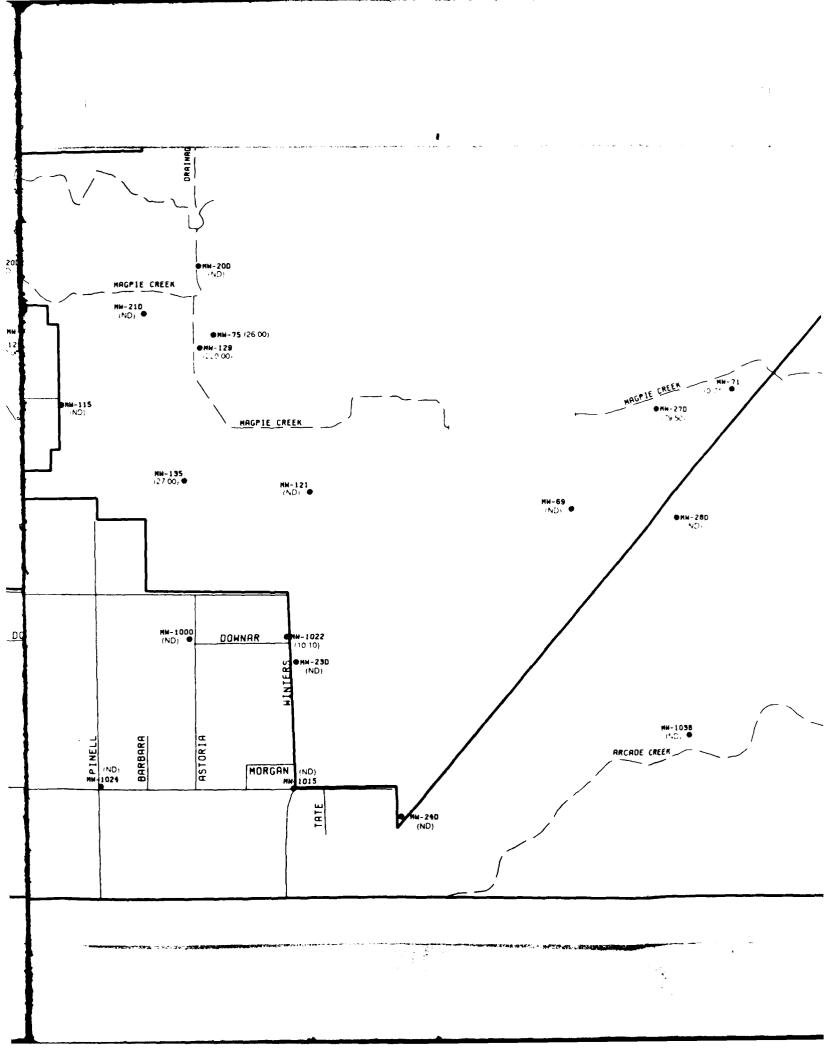






<u>6 ST.</u> (ND) E ST. UNNAMED STREAM C ST. DRY CREEK MH-1003 (ND ● MH-74 14 60 MM-72(1872 50) ASCOT MAGPIE CREEK VINCI





## PLATE 18. TCE CONCENTRATIONS IN THE MIDDLE MONITORING ZONE

McCLELLAN AFB July - September 1988 Data Summary

LEGEND

McCLELLAN AFB BOUNDARY

STREAMS

MONITORING WELL

(1000 00) TCE CONCENTRATION (ug/L)

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0 500 1000 SCALE IN FEET

PEER REVIEW Cycu P. Shompon DATE 10-12-68

PROJECT REVIEW Deena Standing D

DATE 10/12/86

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